III_HELP,C,67   III_HELP1,C,10

                    1 on 1 = 3!!

****
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** X HELP
                                                                     X HELP
                                                                     X HELP
1.   INTRODUCTION   X HELP
                    _____   X HELP
                                                                     X HELP
    Welcome to 1 on 1 = 3!!'s help documentation.   Th X HELP
documentation is meant to help you in the use of 1 on 1 = X HELP
menu system.   It is not meant as a manual for the dBAS X HELP
language.   X HELP
                                                                     X HELP
    We have tried not to use computer jargon as much as po X HELP
but on the other hand have tried to use the language of dB X HELP
are hoping that by reading descriptions in these terms and X HELP
the results of the execution of the menu choices you make, y X HELP
become more familiar with the dBASE type environment.   X HELP
                                                                     X HELP
    We have tried to make a menu system, to make it easy X HELP
to take advantage of the power of a dBASE environment X HELP
knowing anything about dBASE.   That is one of the goa X HELP
1 on 1 = 3!!.   On the other hand realize that if you can in t X HELP
get beyond the menu system and learn to use the dBASE X HELP
language, you can multiply the power of 1 on 1 = 3!! ten fold X HELP
                                                                     X HELP
    Please write with any criticism you have of this part of o X HELP
system both as a manual for its use and as an on-line help X HELP
We have found that because it has to serve two purposes X HELP

had to repeat the same idea in many places. Is this a prob X HELP
using this as a manual?   X HELP
                                                             X HELP
    Good luck!! Let us know how you make out. We're here X HELP
you and can do a better job if you help us.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
2.   CONVENTIONS USED IN DOCUMENTATION   X HELP
            ----------------------------------   X HELP
                                                             X HELP
    Special characters on the keyboard will be described w X HELP
{}. When you see these symbols it means you type the cl X HELP
described between the {}. An example of this is {Enter} for X HELP
Enter key.   Sometimes you will need to press two keys at o X HELP
example is {Ctrl Y}. What this means is you hold down the X HELP
key just as you would the shift key when you are capitaliz X HELP
Then you press the 'Y'. Another example where you have tv X HELP
keys is {Ctrl {End}}.   In this case you would again hold dow X HELP
{Ctrl} first, and while still holding it down press the {End} key X HELP
                                                             X HELP
    In a number of places you will see '(see XXXXXX)',   X HELP
'XXXXXXX' is a description like FILE SELECTION. This me X HELP
want more information about the current command or optic X HELP
the help menu and choose this item.   X HELP
                                                             X HELP
    In many places when specifying a menu item to choose X HELP
used the term 'command'. The reason we have done this is X HELP
many cases your choice of a menu item results in the corre X HELP
command being executed. In those places just substitute t X HELP
'menu item' for the word 'command' if it makes it easier X HELP
understand.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
3.   H E L P   X HELP
                -------   X HELP
                                                             X HELP
    You are provided help in a number of different ways.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
3.1.   TUTORIAL   X HELP
                --------   X HELP
                                                             X HELP
    There is a file called 3!!_TUT.DOC. This contains a tuto X HELP

on how to use the system. You just need to follow it keystro X HELP
keystroke to get a good understanding on how to use 1 on 1 X HELP

X HELP
** DOCUMENTAT

DOCUMENTAT

DOCUMENTAT

3.2.   DOCUMENTATION   DOCUMENTAT
               -------------   DOCUMENTAT

DOCUMENTAT

One of the choices in the Opening Menu of 1 on 1 = 3 DOCUMENTAT
documentation. This will allow you to print out this whole DOCUMENTAT
file in an organized manner. 'Index' will print out the index f DOCUMENTAT
this file. 'Help' will print out this document breaking it into DOCUMENTAT
pages.   DOCUMENTAT

DOCUMENTAT

If you do not have a printer, send us a check for $15.00 DOCUMENTAT
we will   send you a listing of the tutorial and the help DOCUMENTAT
documentation.   DOCUMENTAT

DOCUMENTAT
** NAME

NAME

NAME

3.3.   STARTING OUT IN THE MENU MODE   NAME
          -----------------------------   NAME

NAME

Welcome! A few suggestions to help you get started.   Th NAME
key is your   HELP key.   Pressing the {F1} key will get you NAME
from anywhere in the   menu mode. You can use {Page   NAME
{Page Up} to see more information. Hitting the {ESC} key w NAME
the Help Browse Mode will give you a menu of other items   NAME
get   help on. I suggest you go there and look around. Us NAME
{F3} key to change the information shown on the bottom   NAME
screen. Hit enter from here to get started. Good luck!   NAME

NAME

If you get somewhere in 1 on 1 = 3!! and you don't know   NAME
get out, try hitting the {ESC} key. This will in most cases b NAME
you out from where you are to a menu item.   NAME

NAME
** X HELP

X HELP

X HELP

3.4.   ON-LINE HELP   X HELP
               ------------   X HELP

X HELP

You may also get help at any time by pressing the {F1} X HELP
The {F1} key is your key to HELP.   X HELP

X HELP

When you press the {F1} key you go into the Help Brow X HELP
What appears on the screen will depend on where you calle X HELP

from. Our full screen help makes use of the BROWSE mode X HELP
the information to you. This means you can browse through X HELP
file to get more information just like you can browse throug X HELP
of your own databases.   You may use the {PgUP} and {PgI X HELP
move up or down one page at a time. You may use the {Up X HELP
the {Down Arrow} to scroll one line at a time up or down.   X HELP
X HELP
    You leave the Help Browse Mode by pressing the {ES X HELP
When you do this you will be given a list of help topics yo X HELP
choose from.   X HELP
                APPENDIX   AVERAGING RECO   X HELP
BROWSE   CHANGING COLORS   CHOICES X HELP
CHOOSING MENU ITEMS   COMMAND LIST   X HELP
CONDITIONS   CONVENTIONS USED   CON   X HELP
COPYING RECORDS   COUNTING RECORDS   X HELP
DISPLAYING RECORDS   DOCUMENTATION   ED X HELP
EDITING INPUT   EXPRESSION LIST   EXPRES X HELP
EXTRA   FIELD LIST   FIELD SELECTION X HELP
FILE SELECTION   FILTERS   FILES   X HELP
FUNCTION LIST   HELP   WINDOWS   X HELP
INDEX EXPRESSION   INDEX FILE LIST   INFOR   X HELP
LISTING RECORDS   MACROS   MASKS   X HELP
MEMORY VARIABLE   MEMORY VARIABLE LIST   M X HELP
MOVING AROUND MENU   NUMERIC EXPRESSION   X HELP
ON-LINE HELP   ONE KEY COMMANDS   OPE   X HELP
OUTPUT   PICTURE   POSITION CHA   X HELP
POSITION CHANGE KEYS   PROGRAMMING LIMITATIO X HELP
RECORD WINDOW   RELATIONSHIPS   REPO X HELP
SCOPE   SET COMMANDS   SORTING   X HELP
SPECIAL KEY WINDOW   STARTING IN MENU   X HELP
TOP OF PAGE   TUTORIAL   UPDATE   X HELP
X HELP
    If you want to see information on one of these topics mov X HELP
light bar so it is highlighting the topic you want and press t X HELP
{Enter} key. You will be placed back in the Help Browse Mc X HELP
the new information on the screen.   X HELP
X HELP
    You can move the light bar in the following ways: X HELP
X HELP
    1. {Home} will move you to the first help topic.   X HELP
X HELP
    2. {End} will move you to the last help topic.   X HELP
X HELP
    3. Pressing a letter will move you to the next help topi X HELP
        that starts with that letter.   X HELP
X HELP
    4. {Up Arrow}, {Down Arrow}, {Right Arrow}, and {Left A X HELP
        will move you in the corresponding direction.   X HELP
X HELP

If, when you are presented with the list of help topics, y X HELP
do not want any more help at this time, just press the {ESC X HELP
You will be returned to the same position in the program wh X HELP
requested help.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
  3.5.   ON LINE HELP SCREENS   X HELP
               --------------------   X HELP
                                                             X HELP
     While you are in the Menu Mode you have your choice   X HELP
different windows on the bottom of your screen that giv X HELP
useful information. You may easily switch between these   X HELP
by pressing the {F3} key.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
    3.5.1.   HELP WINDOWS   X HELP
              ------------   X HELP
                                                             X HELP
     When you first go into the Menu Mode you will notice a X HELP
bottom of the screen a window that contains information w   X HELP
suggestions on how to get started.   As you move throu X HELP
different menu items, the information in this Help Window X HELP
change based on which menu item is highlighted. If you pr X HELP
{F1} key you will go into the Help Browse Mode.   You will s X HELP
same information that you saw in the Help Window plus a X HELP
explanation if there is one.   X HELP
                                                             X HELP
** X HELP
                                                             X HELP
                                                             X HELP
    3.5.2.   INFORMATION WINDOWS   X HELP
              -------------------   X HELP
                                                             X HELP
     When you are in the Menu Mode and the Help Window   X HELP
screen, pressing the {F3} key will remove the Help Window X HELP
in its place one of the following Information Windows.   X HELP
                                                             X HELP
                                                             X HELP
--- X HELP
|Database: STU.DBF Current Record: 29 Screen Outp X HELP
|Relation: Number Records: 29 Printer Output OF X HELP
|Picture: Last Updated On: 09/09/87 File Output   OF X HELP
|Report: Record Size is: 178 | X HELP
|Label: | X HELP
|Filter: stu.FIL SEX='M' | X HELP

```
|Index:    STUDENT.IDX                             |        X HELP
----------------------------------------------------------------        X HELP
                                                                        X HELP
                                                                        X HELP
                                                                        X HELP
----------------------------------------------------------------        X HELP
|                                     |                                  X HELP
|Which records  =  NEXT      15                    |        X HELP
|                                     |                                  X HELP
|Field list      = ID, FN, MI, LN,, STATE, PHONE        | X HELP
|                                     |                                  X HELP
|Selection rules = STATE='CT'                      |        X HELP
|                                     |                                  X HELP
|DO WHILE rules  = SEX='F'                         |        X HELP
----------------------------------------------------------------        X HELP
                                                                        X HELP
                                                                        X HELP
```

    Which one you get will depend on what part of the menu X HELP
in.   X HELP

** X HELP

        3.5.3.   RECORD WINDOW   X HELP
                -------------   X HELP

    Pressing {F3} again will give you the Record Window. X HELP
contain the current record number and the data from the c X HELP
record.   X HELP

** X HELP

        3.5.4.   SPECIAL KEY WINDOW   X HELP
                ------------------   X HELP

    Pressing {F3} again gives you the Special Key Window X HELP
window contains information on the special keys you can us X HELP
around the menu, choose menu items, and execute speci X HELP
commands (see ONE KEY COMMANDS).   X HELP

** X HELP

4.   MOVING AROUND THE MENUS   X HELP
                -----------------------   X HELP

** X HELP

X HELP
5.   CHOOSING MENU ITEMS   X HELP
                  -------------------   X HELP
X HELP
    When you start out in 1 on 1 = 3!!, you are presented wit X HELP
opening menu.   The first item in the menu is highlighted.   X HELP
pick a menu item from the opening menu in one of two way X HELP
you can use the {Down Arrow} and the {Up Arrow} to move X HELP
bar to the item you want and then press the {Enter} key to ʂX HELP
it.   A second method is to press the first letter of the me X HELP
description that you want.   For example pressing the letter X HELP
will place you in the Execute DOS Mode.   X HELP
X HELP
    When you first go into the Menu Mode, the first item on X HELP
top row will be highlighted. This is a level 1 menu.   You c X HELP
an item in this menu by moving the light bar with the {Right X HELP
and the {Left Arrow} and then pressing {Enter} at your choiɕX HELP
you can press the first letter of the item you want. When y X HELP
this the corresponding menu will pull down and the light baⅼX HELP
be placed on the first item of the pull down menu.   X HELP
X HELP
    These are level 2 menus. All level 2 menus have their   X HELP
numbered. You can choose one of these by moving with X HELP
Arrow} and the {Up Arrow} and hitting {Enter} on your choiɕX HELP
you can press the corresponding number of the menu item yX HELP
X HELP
    While in the level 2 menu, you may move to another leX HELP
menu by using the {Right Arrow} and {Left Arrow} or pressⅼX HELP
letter oF the corresponding level 1 menu. For example, if y X HELP
in the 'Name' pull down menu and type the letter 'U', you will X HELP
the 'Name' menu and go to the 'Update' menu.   X HELP
X HELP
    When you select a level 2 menu item you may get a leX HELP
menu, and from there you may get a level 4 menu. Level X HELP
menus work the same way. They are numbered like the levɕX HELP
You make your selections just like you do with level 2 menuX HELP
can use the {Down Arrow} and {Up Arrow} to move the lighᴛX HELP
the item you want and then press the {Enter} key or you c X HELP
the corresponding number of the menu item you want.   {EsɕX HELP
Arrow} and {Left Arrow} will all move you back to the previo X HELP
without executing the command or option under the light barX HELP
X HELP
    All this sounds a lot more complicated then it is.   Once X HELP
try it out you will find it very easy. You can use the {F3} key X HELP
get the Special Key Window on you screen any time you areX HELP
item.   This will give you all the different keys you can use f X HELP
where you are and what they do (see SPECIAL KEY WIND X HELP
X HELP
6.   OPENING MENU   X HELP

------------   X HELP
                                                          X HELP
** Menu mode
                                                          Menu mode
                                                          Menu mode
6.1.   MENU MODE   Menu mode
              ---------   Menu mode
                                                          Menu mode
    The Menu Mode is an easy to use method of managing   Menu mode
All work is done by choosing from menus what you want Menu mode
specifying from lists the files and fields you need.   You a Menu mode
helped in its use by a tutorial in the file 3!!_tut.doc, a listing Menu mode
of the help file, an on screen help window, and further help a Menu mode
touch of the {F1} key.   Menu mode
                                                          Menu mode
** Command mo
                                                          Command mo
                                                          Command mo
6.2.   COMMAND MODE   Command mo
                 ------------   Command mo
                                                          Command mo
    Using this mode requires you to type in your command Command mo
requires an understanding of dBASE III commands and func Command mo
COMMAND LIST and FUNCTION LIST).   Command mo
                                                          Command mo
    Command Mode puts you where you can execute com Command mo
your dBASE programs.   You execute your programs by   Command mo
<program name>.   The computer will first look for a file with Command mo
extension '.FOX'. This is a program that has been compiled Command mo
FoxBASE+ compiler.   If this file is not found a file with th Command mo
extension '.III' is looked for. This is a tokenized copy of you Command mo
program that 1 on 1 = 3!! creates so that it can load and run Command mo
program faster. If it does not find this file it will look for a   Command mo
file with the extension '.PRG'. If it does not find that file it   Command mo
will give you an error message.   Command mo
                                                          Command mo
    If 1 on 1 = 3!! does find the '.PRG' file, it will read it in   Command mo
and create a '.III' file.   It will then start executing your   Command mo
program. If you make a change in one of your programs y Command mo
delete the corresponding '.III' file.   If you don't it will seem   Command mo
like the computer didn't take the changes you made to your   Command mo
                                                          Command mo
    You can return to the opening menu from the Comman Command mo
entering the QUIT or the RETURN commands.   Command mo
                                                          Command mo
                                                          Command mo
** Administra
                                                          Administra
                                                          Administra

6.3.   ADMINISTRATION   Administra
                --------------   Administra
                                                        Administra
    This mode allows you to tell the computer if you have a Administra
or monochrome monitor. It will also allow you to define wh Administra
users can update databases or not.   Administra
                                                        Administra
    First you will be asked to enter M for monochrome or C Administra
color. Put in the appropriate letter. Then you will be asked Administra
enter R for read only and U for update. If you put in 'R' us Administra
will be restricted from using any menu items that allow updat Administra
databases.   Users will not be allowed to use the Command Administra
you put in 'U' then users will have unrestricted use of th Administra
program.   Administra
                                                        Administra
** X DOS
                                                        X DOS
                                                        X DOS
6.4.   X DOS   X DOS
                -----   X DOS
                                                        X DOS
    This will allow you to execute DOS commands. If you n X DOS
execute DOS commands this is a good place to do it. Once X DOS
into the Menu Mode the program takes a lot more memory X DOS
have trouble executing DOS commands.   X DOS
                                                        X DOS
    Your commands will be stored.   Pressing the {Up Arrow X DOS
get you back previous commands. You may edit them and X DOS
again.   X DOS
                                                        X DOS
** Documentat
                                                        Documentat
                                                        Documentat
6.5.   DOCUMENTATION   Documentat
                -------------   Documentat
                                                        Documentat
                                                        Documentat
    You may print out a listing of this help documentation and Documentat
help index from this menu choice.   Documentat
                                                        Documentat
    Choosing 'Index' at that point will let you print out the Documentat
index for the help file. You will be asked how much you wa Documentat
indent the listing from the left hand margin. Choosing 'Help' Documentat
allow you to specify which pages you want printed from th Documentat
file as well as how much you want the listing indented. Documentat
recommend that you print a couple of pages using diff Documentat
indentations to see what works best on your printer. If you Documentat
all the pages put in a starting page number of 1 and an end Documentat
number of 999. There should be between 70 to 80 pages.   Documentat
                                                        Documentat

```
******************************************************************  Quit
                                                                   Quit
                                                                   Quit
                    Q U I T                                        Quit
                    -------                                        Quit
                                                                   Quit
    Leave 1 on 1 = 3!! and return to DOS.                          Quit
                                                                   Quit
******************************************************************  X HELP
                                                                   X HELP
                                                                   X HELP
7.                      DATABASES                                  X HELP
                        ---------                                  X HELP
                                                                   X HELP
    1 on  1 = 3!! uses the term database as it has come to b       X HELP
in dBASE III.   A database  is a  file that  contains related da   X HELP
This  data  is  organized  into  records.   Each record has de    X HELP
fields and all records have the same field definition.            X HELP
                                                                   X HELP
******************************************************************  C DATABASE
                                                                   C DATABASE
                                                                   C DATABASE
    7.1.          CREATE A DATABASE FILE                           C DATABASE
                 ----------------------                            C DATABASE
                                                                   C DATABASE
CREATE <database file name>                                        C DATABASE
                                                                   C DATABASE
    This command will allow  you to  create a  new database.       C DATABASE
will  be  asked  for  the  name  of  your  new  database (see      C DATABASE
SELECTION).  After entering your file  name you  will be  giv      C DATABASE
input screen  with four  columns to  fill in for each field in you C DATABASE
new database.  These columns will  be  field  name, type o         C DATABASE
width  of  the  field,  and  number of characters after the dec    C DATABASE
place if you are entering a numeric field.   When  you have e       C DATABASE
all the fields you want type {Ctrl {End}} to finish.              C DATABASE
                                                                   C DATABASE
    The field  name can  be 1 to 10 characters and must star       C DATABASE
a letter A - Z.  The rest of the  name can  be made  up of lett    C DATABASE
numbers and the underline character '_'.                          C DATABASE
                                                                   C DATABASE
    The types of data can be:                                     C DATABASE
                                                                   C DATABASE
    1.   Character.     It can  be from  1 to  254 characters lon  C DATABASE
                 and hold any character.                           C DATABASE
                                                                   C DATABASE
    2.   Numeric      This field will  only  hold  numeric data.   C DATABASE
                 It can  be up  to 19 characters. It can be        C DATABASE
                 an integer in which case you  would put in        C DATABASE
                 0  for  the  number  of decimals after the        C DATABASE
```

decimal place. It can be a decimal number C DATABASE
in which case you would enter the number C DATABASE
of decimal places you want it to hold.   C DATABASE
The number of decimal places must be at C DATABASE
least 2 less then the width of the field.   C DATABASE
                                                              C DATABASE
3. Date   This will store you dates in the form   C DATABASE
mm/dd/yy.   You will be able to do date   C DATABASE
arithmetic   on   these   date   such   as   C DATABASE
subtracting them to get the number of days C DATABASE
between two dates.   This will take up 8   C DATABASE
characters.   C DATABASE
                                                              C DATABASE
4. Logical   This will   hold 1 character and will   C DATABASE
contain only true or false.   The default   C DATABASE
will be false.   C DATABASE
                                                              C DATABASE
5. Memo   This is a special type of field. It   C DATABASE
allows you to use the editor to put up to   C DATABASE
64,000 characters into the field. In the   C DATABASE
main database this field takes up only 10   C DATABASE
characters.   The rest of the data is   C DATABASE
stored in a separate database.   C DATABASE
                                                              C DATABASE
    See EDITING INPUT for an explanation of the keys you C DATABASE
to input your database description.   C DATABASE
                                                              C DATABASE
    When you do a {Ctrl {End}} to save your description the   C DATABASE
will ask you to type {Enter} if you are sure you are finished. C DATABASE
will then give you a chance to enter data if you want.   C DATABASE
                                                              C DATABASE
** M DATABASE
                                                              M DATABASE
                                                              M DATABASE
7.2.   MODIFY A DATABASE FILE   M DATABASE
            -----------------------   M DATABASE
                                                              M DATABASE
USE <database file name>   M DATABASE
MODIFY STRUCTURE   M DATABASE
                                                              M DATABASE
    This command will allow you to make modifications to M DATABASE
structure of the current database. You may add new fields, M DATABASE
fields, change the type and size of old fields or change the M DATABASE
of fields. You use the same rules for modifying a database M DATABASE
did for creating it (see DATABASES).   M DATABASE
                                                              M DATABASE
    If you change both the name and size of a field you will l M DATABASE
any data in that field. If you need to change both the nam M DATABASE
the size do it in two steps. First change the name and sav M DATABASE

work. Then use this command again and go in and change	M DATABASE
	M DATABASE
When you modify a database the system renames your	M DATABASE
file to file name '.BAK'. When you finish modifying the struc	M DATABASE
press the {Ctrl {End}} key to finish. The system creates th	M DATABASE
structure and then appends the back up database. Where	M DATABASE
saves your data.	M DATABASE
	M DATABASE
If you decide you do not want to implement the changes	M DATABASE
made press the {Esc} key. You will be asked if you really w	M DATABASE
abandon your changes.	M DATABASE
	M DATABASE
**	N DATABASE
	N DATABASE
	N DATABASE
7.3. NAME A DATABASE	N DATABASE
---------------	N DATABASE
	N DATABASE
USE [<database file name>] [INDEX <index file list>]	N DATABASE
[ALIAS <alias name>]	N DATABASE
	N DATABASE
This command selects the database you want to work	N DATABASE
well as any associated index files. This is the key comman	N DATABASE
affects most of the other commands. In fact, until you spec	N DATABASE
database you cannot execute most of the other commands	N DATABASE
be asked to provide a database name (see FILE SELECTIC	N DATABASE
do not put in a database, the current database will be clos	N DATABASE
all options associated with it will be cleared.	N DATABASE
	N DATABASE
After you choose a database you will be given the same t	N DATABASE
choice of index files (see FILE SELECTION). If you do no	N DATABASE
this database to be indexed, just hit {Enter} key on the bl	N DATABASE
line. If you do want an index, choose it by the same met	N DATABASE
above for choosing a database	N DATABASE
	N DATABASE
If you do choose an index file you will be prompted fo	N DATABASE
another index file. The reason for this is a database can	N DATABASE
indexed in more the one way. If this is the case, and you	N DATABASE
updating, then you will want to assign all active indexes. T	N DATABASE
will keep them all current with any changes you make. If y	N DATABASE
to change the order that you access the file when you have	N DATABASE
indexes see ORDER under ARRANGE.	N DATABASE
	N DATABASE
The system will keep on asking you for another index	N DATABASE
until you enter a blank line or seven index files. If you put i	N DATABASE
more then one index file, the records will be ordered by the	N DATABASE
index file.	N DATABASE
	N DATABASE
If you have multiple indexes but are not updating, it is m	N DATABASE

efficient to just choose the one you want it ordered by. If	N DATABASE
want a different order latter you can use the INDEX comm	N DATABASE
NAME to change the index.	N DATABASE
	N DATABASE
	N DATABASE
**	X HELP
	X HELP
	X HELP
8. INDEXES	X HELP
-------	X HELP
	X HELP
An index file is a file that specifies what order the databa	X HELP
will be accessed. It is also a means of quickly looking u	X HELP
record in the database based on the index key.	X HELP
	X HELP
**	A INDEX
	A INDEX
	A INDEX
8.1. CREATE AN INDEX	A INDEX
---------------	A INDEX
	A INDEX
INDEX ON <index expression> TO <index file name> [UNIQA	A INDEX
	A INDEX
This command is used to create a new index file. You mu	A INDEX
an active database to use this command. You will be askec	A INDEX
name of the file to keep the index in (see FILE SELECTION	A INDEX
will then be asked to enter the index expression (see E	A INDEX
and FIELD SELECTION). When you have the expression	A INDEX
the {Enter} key. The computer will then create the index f	A INDEX
That index will become the only index the database is ind	A INDEX
even if you had declared other indexes before.	A INDEX
	A INDEX
If you change your mind about creating this index befor	A INDEX
hit the {Enter} key, just press the {Esc}.	A INDEX
	A INDEX
**	N INDEX
	N INDEX
	N INDEX
8.2. NAME A INDEX FILE	N INDEX
-----------------	N INDEX
	N INDEX
SET INDEX TO [<index file list>]	N INDEX
	N INDEX
This command selects the index files that are to go along	N INDEX
your database. You must have an active database to u:	N INDEX
command. If your database is already indexed the new ind	N INDEX
will replace them. If you do not put in an index the database	N INDEX
become unindexed. The first index file in the list will determ	N INDEX
the order the records are accessed. You may put in up to 7	N INDEX

for one database.   N INDEX
                                                            N INDEX
        After you select this item you will be asked to enter a N INDEX
index file name (see FILE SELECTION). If you do choose N INDEX
file you will be prompted for another index file. The reason N INDEX
this is a database can be indexed in more the one way. If tl N INDEX
the case, and you are updating, then you will want to assiç N INDEX
active indexes.   This will keep them all current with any ch N INDEX
you make. If you want to change the order that you access N INDEX
when you have multiple indexes see ORDER under ORGAN N INDEX
                                                            N INDEX
    The system will keep on asking you for another index N INDEX
until you enter a blank line or seven index files.   N INDEX
                                                            N INDEX
    If you have multiple indexes but are not updating, it is m N INDEX
efficient to just choose the one you want it ordered by. If N INDEX
want a different order latter you can use this command to N INDEX
the index at that time.   N INDEX
                                                            N INDEX
** A REINDEX
                                                            A REINDEX
                                                            A REINDEX
    8.3.   REINDEX   A REINDEX
                    -------   A REINDEX
                                                            A REINDEX
REINDEX   A REINDEX
                                                            A REINDEX
    This command will recreate all the currently active inde A REINDEX
for your database. You must have an active database as we A REINDEX
least one active index to use this command. Use this co   A REINDEX
you have added records to the database without having a A REINDEX
indexes active. It is also a good command to use when it s A REINDEX
are not finding all the records you think you should be findi A REINDEX
It could mean that you inadvertently did not have the index A REINDEX
when you updated the database or that some how the inde A REINDEX
corrupted.   A REINDEX
                                                            A REINDEX
** A ORDER
                                                            A ORDER
                                                            A ORDER
    8.4.   ORDER   A ORDER
                    -----   A ORDER
                                                            A ORDER
SET ORDER TO <numeric expression>   A ORDER
                                                            A ORDER
    This command is used to specify which of your active i A ORDER
will be the primary one. You must have an active database A ORDER
as an active index to use this command. The primary index A ORDER
the order the database is accessed and is also the one used A ORDER

ups. When you originally put in the index names, the first o A ORDER
put in became the primary index.   The order command is ε A ORDER
changing which index is the primary index without reenteri A ORDER
index names. You will be asked to enter the number of th A ORDER
you want to be primary. The first index is number 1, the sec A ORDER
and so on. If you want to access the database without it A ORDER
indexed then select an order of 0.   A ORDER
                                                             A ORDER
** X HELP
                                                             X HELP
                                                             X HELP
9.   RELATIONSHIPS   X HELP
                -------------   X HELP
                                                             X HELP
    Relationships are connections or links between datab X HELP
Relationships are made up of a master database, a key exp X HELP
related database and the related databases index file.   T X HELP
expression is an expression that is made up from the fields X HELP
master database.   It is used to look up via the related datab X HELP
index file, the record in the related database that is related X HELP
the current record in the master database.   X HELP
                                                             X HELP
    An example would be using the employee number field X HELP
payroll history file to look up that employee in the main emp X HELP
file.   Another example would be to use the 2 character s X HELP
abbreviation in a name and address file to look up the full s X HELP
name in a file that contains abbreviations and state names f X HELP
the states.   X HELP
                                                             X HELP
    Using 1 on 1 = 3!! you can specify what relations exi X HELP
between different files.   Once you do this, as the record c   X HELP
in the master database, the system will automatically find X HELP
corresponding record in any related databases.   X HELP
                                                             X HELP
    1 on 1 = 3!! allows up to five relations to be set up in the X HELP
Menu Mode. Different than dBASE III PLUS you may hav X HELP
one relationship from the same databases.   This means y X HELP
have a name and address file related to a state file and at X HELP
same time have it related to another file such as a company X HELP
                                                             X HELP
    Also different then dBASE III PLUS the copy and the X HELP
command can specify that fields from the related databases X HELP
the new database.   X HELP
                                                             X HELP
    In the Edit Mode you may specify fields from different rel X HELP
files and update them all at the same time.   X HELP
                                                             X HELP
** C RELATION
                                                             C RELATION

9.1.   CREATE A RELATIONSHIP

SET RELATIONSHIP TO [<expression> INTO <alias>] [Add

    This command will allow you to set up a new relation
between different databases (see RELATIONSHIPS). You
active database to use this command. You will be asked
name of the file to save the relationship (see FILE SELE
You will then be asked for the key expression to use in sea
the related database to find the related record (see EX
and FIELD SELECTION). Normally this would just be a sir
name but it could be a complex expression. You will then
for the name of the related database file (see FILE SELE
This is the file you are trying to link or relate the main datab
to. Last you will be asked to enter the related index file n
(see FILE SELECTION). This is the index file that will be us
look up the related record in the related database.

    You will then be presented with a screen like the one bel

    KEY FIELD   RELATED DATABASE FILE R
FILE

  1 - STUD_ID   STUDENT.DBF   STUDENT

  2 -

  3 -

  4 -

  5 -

  Enter number to change, 0 to save, 2 to add a relation
0

    At this point if this is the only relationship you want type
in a zero.   If you want to enter another relationship enter a
You will again be prompted for the key expression, rel
database and related index.   Now when you come back to
as above you will have two relationships shown. If you wa
change one of the relationships just enter it's correspond
number. You will be prompted for new information for the
items.   If you want to remove a relationship, change its key
to a blank line.   That relationship will be removed and
relationships after it will be moved up on the screen.

    When you have the relationships you want, enter a zero

relationships will be saved in the file you have named and w	C RELATION
in effect.	C RELATION
	C RELATION
**	M RELATION
	M RELATION
	M RELATION
9.2. MODIFY A RELATIONSHIP	M RELATION
---------------------	M RELATION
	M RELATION
SET RELATIONSHIP TO [<expression> INTO <alias>] [Add	M RELATION
	M RELATION
This command will allow you to modify a relationship	M RELATION
RELATIONSHIPS). You must have an active database in c	M RELATION
this command. You will be asked for the name of the relati	M RELATION
file you want to modify. You will then be presented with a s	M RELATION
as shown under CREATE A RELATIONSHIP. You will be a	M RELATION
or add to the relationships as described there.	M RELATION
	M RELATION
**	N RELATION
	N RELATION
	N RELATION
9.3. NAME A RELATIONSHIP	N RELATION
-------------------	N RELATION
	N RELATION
SET RELATIONSHIP TO [<expression> INTO <alias>] [Add	N RELATION
	N RELATION
This command will allow you to name a relationship file	N RELATION
have saved before. You must have an active database to	N RELATION
command. You will be asked for the name of the relations	N RELATION
(see FILE SELECTION). Once you name a relationship f	N RELATION
relationships will be put into effect. If you put in a blank file	N RELATION
name then any relationships that had been in effect will	N RELATION
removed.	N RELATION
	N RELATION
**	X HELP
	X HELP
	X HELP
10. FILTERS	X HELP
-------	X HELP
	X HELP
A filter file contains rules for choosing which records yo	X HELP
want to access when using other commands (see CONDITIC	X HELP
filter is in effect it will seem like the current database only	X HELP
contains records that pass the filter test.	X HELP
	X HELP
**	C FILTER
	C FILTER
	C FILTER
10.1. CREATE A FILTER	C FILTER

---------------	C FILTER
	C FILTER
STORE <condition> TO <memory variable>	C FILTER
SET FILTER TO &<memory variable>	C FILTER
SAVE TO <memory file> ALL LIKE <memory variable>	C FILTER
	C FILTER
This command will allow you to create a new filter file (s	C FILTER
FILTERS). You must have an active database in order to	C FILTER
command. You will be asked for the name of the output fi	C FILTER
want the filter kept in (see FILE SELECTION). You will t	C FILTER
given the chance to enter a logical expression that will be u	C FILTER
the filter (see CONDITIONS). When you finish the filter yo	C FILTER
entered will become the current active filter.	C FILTER
	C FILTER
**	M FILTER
	M FILTER
	M FILTER
10.2. MODIFY A FILTER	M FILTER
---------------	M FILTER
	M FILTER
RESTORE FROM <memory file> ADDITIVE	M FILTER
STORE <condition> TO <memory variable>	M FILTER
SET FILTER TO &<memory variable>	M FILTER
SAVE TO <memory file> ALL LIKE <memory variable>	M FILTER
	M FILTER
This command will allow you to modify a filter that you	M FILTER
created previously (see FILTERS). You must have an activ	M FILTER
to use this command. You will be asked for the name of the	M FILTER
file (see FILE SELECTION). You will then be presented v	M FILTER
logical expression that was in that file and will get a chance	M FILTER
modify it (see CONDITIONS and FIELD SELECTION). V	M FILTER
finished the filter will be saved in the same file and that filter	M FILTER
will become the active filter.	M FILTER
	M FILTER
**	N FILTER
	N FILTER
	N FILTER
10.3. NAME A FILTER FILE	N FILTER
------------------	N FILTER
	N FILTER
RESTORE FROM <memory file> ADDITIVE	N FILTER
SET FILTER TO &<memory variable>	N FILTER
	N FILTER
This command selects a filter file (see FILTERS). You	N FILTER
have an active database to use this command. You will be	N FILTER
enter the filter file name (see FILE SELECTION). If you	N FILTER
this command but don't enter a file name, any filter in effect v	N FILTER
be turned off. If you do choose a filter file then the logical	N FILTER
expression in that file will become the current active filter.	N FILTER

N FILTER

** C HELP

C HELP

C HELP

11.   PICTURES   C HELP

            -------   C HELP

C HELP

    The picture commands are a way of saving and resto C HELP
snapshot of the current environment.   Information about C HELP
database, indexes and all options are saved.   C HELP

C HELP

** C PICTURE

C PICTURE

C PICTURE

  11.1.   CREATE A PICTURE   C PICTURE

            ----------------   C PICTURE

C PICTURE

SAVE TO <memory file name> ALL LIKE <mask>   C PICTURE

C PICTURE

    This command will allow you to save a snapshot of the c C PICTURE
environment. You must have an active database to use thi C PICTURE
You will be asked the name of the file to keep the picture in C PICTURE
FILE SELECTION).   It will then save the following curr C PICTURE
information: active database, active indexes, primary in C PICTURE
relationships, filter file, filter, report control file, label   C PICTURE
control file, output devices, output file if one is defined. Und C PICTURE
choices it will save any list, which records to choose fro C PICTURE
selection rules, 'DO WHILE' rules. Under browse it will save C PICTURE
list, maximum width to display, fields to lock, to follow or not C PICTURE
follow the index, append or no append, modify or no modify. C PICTURE

C PICTURE

    It will not save the current information in the databases. I C PICTURE
will not save the currently active macros.   C PICTURE

C PICTURE

** N PICTURE

N PICTURE

N PICTURE

  11.2.   NAME A PICTURE   N PICTURE

            --------------   N PICTURE

N PICTURE

RESTORE FROM <memory file name> ADDITIVE   N PICTURE

N PICTURE

    This command will allow you to name a previously cr N PICTURE
picture file.   You will be asked for the name of the picture fi N PICTURE
(see FILE SELECTION). This file will be loaded and the en N PICTURE
just as it was when the file was saved will be recreated (N PICTURE
PICTURE). The data in the databases will not be restor N PICTURE
anyway. No macros will be restored. Any macros in mem N PICTURE
remain there.   N PICTURE

N PICTURE

** X HELP

X HELP

X HELP

12.   MACROS   X HELP

                    ------   X HELP

X HELP

    A macro is a way of assigning more then one keystrok X HELP
single key and playing back those keystrokes at a latter time X HELP

X HELP

    After using the Menu Mode of 1 on 1 = 3!! for a while, X HELP
will find that you are repeating the same operations over and X HELP
That is a good time to start using macros.   X HELP

X HELP

    I for example, found that when I was updating a databas X HELP
was indexed, I would continually go back and forth between X HELP
Edit.   Now that's not a lot of keystrokes but I'm lazy and g X HELP
bored easily. The answer was to create macros.   X HELP

X HELP

    To create a macro, you press the {F2} key any time yo X HELP
positioned on a menu item. This will not work while you are X HELP
such things as entering file names, entering data, etc.   Yo X HELP
be at a menu item.   X HELP

X HELP

    You will be asked to enter the name of the character yo X HELP
to redefine. If the character you pick already has a definiti X HELP
you will be asked if you want to replace it. If you say no, y X HELP
will be asked for a new key to redefine. If you say yes, the X HELP
will loose it's old values.   If you then enter a {F2} right awa X HELP
the key will take on it's normal function.   X HELP

X HELP

    After you put in the key to redefine you will be asked t X HELP
enter the new keystrokes.   Just type them in the exact ord X HELP
would if you were actually doing it in the menu. One hint. B X HELP
you start putting in the keystrokes you type the {Esc} about X HELP
times. This will force the light bar up to the top menu no ma X HELP
how far down in menus it was. Now you can put in your ke X HELP
knowing you are always starting from the top menu.   X HELP

X HELP

    A word about which characters to choose.   As mentione X HELP
you must be at a menu item when you press {F2} to get in X HELP
Create Macro Mode. The same is true about when you can X HELP
macro.   You must be at a menu item. Therefore it is a goo X HELP
not to redefine keys that you use to get around the menu li X HELP
numbers, the first letters of the main category choices, the X HELP
keys, etc.   X HELP

X HELP

    You may use the function keys, {F4} through {F10}. Y X HELP
use {Alt} and {Ctrl} key in combination with other keys but be X HELP

careful with these. Sometimes the value they produce is re X HELP
letter or a special character.   X HELP
                                                                              X HELP
    Below are a list of keys to avoid redefining: X HELP
                                                                              X HELP
The number keys.   X HELP
                                                                              X HELP
The special function keys like {Esc} and {Right Arrow}   X HELP
                                                                              X HELP
These {Alt} keys: B, M, N, {F7}, {F9}   X HELP
                                                                              X HELP
These {Ctrl} keys: C, D E J, L, M, P, R, S X, {F4], {F6}, {F8} X HELP
                                                                              X HELP
                                                                              X HELP
                                                                              X HELP
                                                                              X HELP
                                                                              X HELP
    When I created my macros for seeking and editing it l X HELP
like the following. The only difference is you do not type in X HELP
description of the special characters like {Esc}.   You mu X HELP
actually press the {Esc} key.   X HELP
                                                                              X HELP
-- X HELP
---   X HELP
                                                                              X HELP
Enter Macro Key, F2 to End {F9}   X HELP
                                                                              X HELP
Enter Your Macro, F2 to End {Esc}{Esc}{Esc}{Esc}{Esc}P1{F X HELP
                                                                              X HELP
-- X HELP
---   X HELP
                                                                              X HELP
First I select the {F9} key to be redefined.   X HELP
                                                                              X HELP
After pressing the {Esc} five times I know I now have to be i X HELP
top menu.   Pressing P puts me in the Position pull down X HELP
Pressing 1 selects Seek from the Position menu. The {F2} X HELP
macro definition for this key.   X HELP
                                                                              X HELP
                                                                              X HELP
-- X HELP
---   X HELP
                                                                              X HELP
Enter Macro Key, F2 to End {F10}   X HELP
                                                                              X HELP
Enter Your Macro, F2 to End {Esc}{Esc}{Esc}{Esc}{Esc}U11 X HELP
                                                                              X HELP
-- X HELP
---   X HELP

I then select the {F10} key to be redefined.

Again I press the {Esc} five times to make sure I am in the
menu. I then press the U to get into the Update pull down
Pressing 1 selects Edit from that menu and the pressing 1
Executes the command.

Enter Macro Key, F2 to End {F2}

Entering {F2} returns me to the main menu.

     Now when I hit the {F9} key I go right to the computer as
me for my look up data for the seek. After putting this in hitt
the {F10} will put me right into the edit mode with the recor
just found.   When I am finished in the edit mode and want t
for another record, I have to hit {Esc} to get out of the edit
before I can hit {F9} to go back to seek. Remember you mu
a menu item to invoke a macro.

     If you are using a macro to pick a file name or a list of
variables,   you will have to type in the information rather t
using the arrow keys to make your selection.   It is reco
that before typing in your selection you type a {Ctrl Y}. Th
will clear anything that might already be on the line.

     Macros properly used can save you a lot of time, effort
boredom.
****

     12.1.   CREATE A MACRO FILE

     This command will save all the currently active macros
file (see MACROS). You will be asked to enter the name
output file (see FILE SELECTION).   If you do not ente
extension, '.mac' will be added to your filename.
****

X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
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X	HELP
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X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
X	HELP
C	MACRO
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C	MACRO
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C	MACRO
C	MACRO
C	MACRO
C	MACRO
C	MACRO
N	MACRO
N	MACRO

	N MACRO
12.2. NAME A MACRO FILE	N MACRO
-----------------	N MACRO
	N MACRO
This command selects a macro file and loads all of the	N MACRO
from the file into memory so that you can use then (see	N MACRO
If you have any macros in memory you will be asked if you	N MACRO
keep those macros. You will be asked for the name of th	N MACRO
file you want (see FILE SELECTION). If you do not put in	N MACRO
name, you will end up with no macros in memory. If you do	N MACRO
file name you will then have access to all the macros that	N MACRO
stored in the file you picked.	N MACRO
	N MACRO
***	HELP
	HELP
	HELP
13. REPORTING	HELP
---------	HELP
	HELP
***	R OUTPUT
	R OUTPUT
	R OUTPUT
13.1. OUTPUT	R OUTPUT
------	R OUTPUT
	R OUTPUT
Choosing this menu item will present you with anothe	R OUTPUT
that will allow you to control where your output goes for	R OUTPUT
following commands: LIST, DISPLAY, REPORT, LABEL	R OUTPUT
COUNT, DIRECTORY and STRUCTURE. You will be ab	R OUTPUT
output to the screen, printer or a file you specify. You will	R OUTPUT
able to send the output to any combination of the three place	R OUTPUT
	R OUTPUT
***	D TURN ON
	D TURN ON
	D TURN ON
13.1.1. SCREEN ON	D TURN ON
---------	D TURN ON
	D TURN ON
SET CONSOLE ON	D TURN ON
	D TURN ON
This command will turn on output to the screen for the L	D TURN ON
DISPLAY, REPORT, LABEL, SUM, AVERAGE, COUNT	D TURN ON
STRUCTURE commands. While one of those commands is	D TURN ON
screen you may temporarily stop it by pressing {Ctrl S}.	D TURN ON
restart printing press any key. You may abandon printi	D TURN ON
hitting the {Esc} key. You will be asked if you want to resta	D TURN ON
your output. If you say yes you will be restarted from the s	D TURN ON
of the output.	D TURN ON
	D TURN ON

****

     13.1.2.   SCREEN OFF

SET CONSOLE OFF

   This command will turn off output to the screen for the L
DISPLAY, REPORT, LABEL, SUM, AVERAGE, COUNT
STRUCTURE commands.

****

     13.1.3.   PRINT ON

SET PRINT ON

   This command will turn on output to the printer for the LI
DISPLAY, REPORT, LABEL, SUM, AVERAGE, COUNT
STRUCTURE commands. If your printer is not on when you
of those commands you will be notified and given the opt
going on or stopping.   If you press the {Esc} key while som
is printing the output to the printer will be stopped. You
printer may keep on printing because many printers have bu
accept data from the computer faster then they can print. W
computer stops sending output they continue to print data f
buffer. One way to stop this printing is to turn the print off a
then on again. Your data in the print buffer will be lost and
will have to reset the top of page. After pressing {Esc} you
be asked if you want to restart the output. If you say yes
output will be restarted from the beginning.

****

     13.1.4.   PRINT OFF

SET PRINT OFF

   This command will turn off output to the printer for the LI
DISPLAY, REPORT, LABEL, SUM, AVERAGE, COUNT
STRUCTURE commands.

****

D TURN OFF
D TURN OFF
D TURN OFF
D TURN OFF
D TURN OFF
D TURN OFF
D TURN OFF
D TURN OFF
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D TURN OFF
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D START FI
D START FI

13.1.5.   FILE ON

SET ALTERNATE TO <output file name>
SET ALTERNATE ON

    This command will turn on the printing of output to a file f
the LIST, DISPLAY, REPORT, LABEL, SUM, AVERAGE
and STRUCTURE commands. You will be asked for the
output file (see FILE SELECTION). If you do not supply
press {Esc} the status of output to a file will remain the sam
it was before.   If you give a file name and a file had be
previously on, the other file will be closed.

****

13.1.6.   FILE OFF

SET ALTERNATE TO

    This command will turn off the printing to a file for the
LIST, DISPLAY, REPORT, LABEL, SUM, AVERAGE, CO
STRUCTURE commands. The file that was open will be clo

****

13.2.   EJECT

EJECT

    This command is used to set a new top of page. If you
set print on, this will cause the printer to go to the top of the
next page. If you have selected an output file this will plac
top of page marker in the output file. Some printers will n
respond to the top of page output marker.
****

13.3.   REPORTS
----

    1 on 1 = 3!! contains an easy to use capability to crea
reports.   Using input screens you enter the definition of y

report and save it. You are then able to run the report   X HELP
specifying the control file.   X HELP
                                                                   X HELP
***   C REPORT
                                                                   C REPORT
                                                                   C REPORT
        13.3.1. CREATE A REPORT CONTROL FILE   C REPORT
          ----------------------------   C REPORT
                                                                   C REPORT
CREATE REPORT <report file name>   C REPORT
                                                                   C REPORT
     This command will allow you to create a new report co C REPORT
file. You must have an active database to use this comman C REPORT
will be asked for the name of the output file (see FILE SEL   C REPORT
You will then be given a chance to describe your report.   Yc C REPORT
input titles, column expressions, column headings, fields to C REPORT
on, and various other information.   C REPORT
                                                                   C REPORT
     After you put in the name of your report control file you w C REPORT
go into the Create Report Mode. At the top of the screen wil C REPORT
help screen explaining the function of the editing keys durin C REPORT
Create Report Mode (see EDITING KEYS).   C REPORT
                                                                   C REPORT
     On the first screen in the Create Report Mode you will C REPORT
given four lines for your page heading.   These will be cen C REPORT
over your report. You may change any of the other charact C REPORT
you want to on this page. Just enter your new information. C REPORT
page means page numbers and the date are suppressed, a C REPORT
heading is only printed on the first page.   C REPORT
                                                                   C REPORT
     On the second screen you have 'Group on expression' C REPORT
allows you to create a break in the report and get totals wh C REPORT
expression changes value. An expression can be a simple f C REPORT
STATE   or   a   more   complex   item   like   STATE+CTOD(C REPORT
EXPRESSIONS). The 'Group heading' is the description y C REPORT
see at the start of each group on your report. 'Summary r C REPORT
only' is asking if you want just the total lines or do you want C REPORT
detail also. 'Sub-group on expression' allows you to break C REPORT
sub-group with in the primary group. This could be somethi C REPORT
CITY within STATE.   C REPORT
                                                                   C REPORT
     The next screen will be the start of input for column C REPORT
information. The first item is 'Contents'. Here it wants wh C REPORT
data you want printed in this column from your databases. C REPORT
put in a field name or an expression (see EXPRESSION C REPORT
computer will generate a default field width based on the si C REPORT
the expression. You may change this size. If while reportin C REPORT
column width is not large enough to print the data in that co C REPORT
the rest of the data will wrap down to the same field locatio C REPORT

the next line. If the expression is numeric you will be aske C REPORT
many decimal places to print.   The next item 'Total (Y/N) C REPORT
asking whether you want to total on this field. In some case C REPORT
numeric expression is a code and it would not make sense C REPORT
on it. Next comes column headings. You have four lines for C REPORT
If the width of your column heading is larger then the widt C REPORT
defined for your column, then the width of the field will b C REPORT
increased automatically. If it is a character expression t C REPORT
headings will be left justified over the data. If it is a numeric C REPORT
expression the headings will be right justified over the data. C REPORT
                                                                                              C REPORT
    You may use the editing keys to move around the Creat C REPORT
Mode.   When finished use the {Ctrl {End}} or use the menu C REPORT
save your data as described under EDITING KEYS.   C REPORT
                                                                                              C REPORT
** M REPORT
                                                                                              M REPORT
                                                                                              M REPORT
        13.3.2. MODIFY A REPORT CONTROL FILE   M REPORT
              ----------------------------   M REPORT
                                                                                              M REPORT
MODIFY REPORT <report file name>   M REPORT
                                                                                              M REPORT
    This command will allow you to modify a report control M REPORT
which was created before. You must have an active databa M REPORT
this command. You will be asked for the name of the r M REPORT
control file (see FILE SELECTION). You will then be presen M REPORT
the same input screens as you were when you created th M REPORT
except that now they will contain the information you pu M REPORT
before. Follow the same instructions as under CREATE M REPORT
CONTROL FILE to modify your control file (see REPORT). M REPORT
                                                                                              M REPORT
                                                                                              M REPORT
** R REPORT
                                                                                              R REPORT
                                                                                              R REPORT
        13.3.3.   PRODUCE A REPORT   R REPORT
                ----------------   R REPORT
                                                                                              R REPORT
REPORT FORM <report file name> [<scope>] [WHILE <con R REPORT
[FOR <condition>] [PLAIN] [HEADING <heading expression R REPORT
[TO PRINT] [TO FILE <output file name>] [SUMMARY]   R REPORT
                                                                                              R REPORT
    This command will allow you to produce a report based R REPORT
information you have put in a report control file (see REP R REPORT
You must have an active database to use this command. T R REPORT
will come out in the order of the primary index. If there is R REPORT
index it will come out in the order records are in the databas R REPORT
                                                                                              R REPORT

You will get your choice of what records can be selected, R REPORT
rules will be used to select records, and what rules will be R REPORT
in determining when to stop selection records to print (R REPORT
CHOICES). The default is that all records will be reported R REPORT
there is a filter in effect (see FILTERS). If there is a filter R REPORT
only records that pass the filter conditions can be reported R REPORT
HOW RECORDS ARE SELECTED).   R REPORT
                                                        R REPORT
    You will then be asked for the name of the report control R REPORT
(see FILE SELECTION). The report will then be produce R REPORT
screen, printer or to a file depending on what you have spe R REPORT
with the OUTPUT command (see OUTPUT).   R REPORT
                                                        R REPORT
** X HELP
                                                        X HELP
                                                        X HELP
    13.4.   LABELS   X HELP
                 ------   X HELP
                                                        X HELP
    Just like with reporting, 1 on 1 = 3!! gives you an eas X HELP
method of setting up a definition for printing labels. You s X HELP
this definition in a file and can then use it again and again.   X HELP
                                                        X HELP
** C LABEL
                                                        C LABEL
                                                        C LABEL
      13.4.1.   CREATE A LABEL CONTROL FILE   C LABEL
            ---------------------------   C LABEL
                                                        C LABEL
CREATE LABEL <label file name>   C LABEL
                                                        C LABEL
    This command will allow you to create a new label cor C LABEL
file.   You must have an active database to use this comma C LABEL
will be asked for the name of the output file (see FILE SEL C LABEL
You will then be given a chance to describe your label. Yo C LABEL
input the size, location, number across and what is to go o C LABEL
labels.   C LABEL
                                                        C LABEL
    After you put in the name of your label control file you wi C LABEL
go into the Create Label Mode. At the top of the screen will C LABEL
help screen explaining the function of the editing keys durin C LABEL
Create Label Mode (see EDITING KEYS).   C LABEL
                                                        C LABEL
    On the second page you will put in the information that \ C LABEL
appear on the label. On each line you may leave it blank, pL C LABEL
constant or put in an expression (see EXPRESSIONS). If y C LABEL
an expression that evaluates to a blank line when the labe C LABEL
run, the rest of the lines will be moved up to fill in the space C LABEL
This means for example, if you have two lines for the str C LABEL

address and one of them is missing, you will not end up v C LABEL
blank line in the middle of your label.   C LABEL
                                                                 C LABEL
    Below is an example of how to use functions to get flex C LABEL
output on your labels.   C LABEL
                                                                 C LABEL
    1. IIF(mi<>' ', TRIM(fn)+' '+mi+'. '+ln, TRIM(fn)+' '+ln)   C LABEL
    2. addr1   C LABEL
    3. addr2   C LABEL
    4. TRIM(city)+', '+state+' '+zip   C LABEL
    5.   C LABEL
                                                                 C LABEL
    On the first line we check if there is a middle initial, if   C LABEL
there is one we put it in after removing all the blanks at the C LABEL
of the first name except one.   We then put a period and a C LABEL
after the middle initial, and then the last name. If there is n C LABEL
middle initial we leave one blank after the first name and p C LABEL
the last name.   C LABEL
                                                                 C LABEL
    One thing to watch out for is that you are limited to about C LABEL
characters on a line. This means if you use long field name C LABEL
'first_name', you may not have room to put in the expression C LABEL
                                                                 C LABEL
    We have put in two street address lines. We know if or C LABEL
both are blank then the remaining lines will be moved up.   C LABEL
                                                                 C LABEL
    On line 4 we take all the blanks from after the city and ad C LABEL
comma and a blank.   We then put the state, followed by tw C LABEL
and the zip code.   C LABEL
                                                                 C LABEL
    {Ctrl End} will save your file as described under EDIT C LABEL
KEYS.   C LABEL
                                                                 C LABEL
** M LABEL
                                                                 M LABEL
                                                                 M LABEL
        13.4.2.   MODIFY A LABEL CONTROL FILE   M LABEL
            ---------------------------   M LABEL
                                                                 M LABEL
MODIFY LABEL <label file name>   M LABEL
                                                                 M LABEL
    This command will allow you to modify a label control f M LABEL
which was created before.   You must have an active databa M LABEL
this command.   You will be asked for the name of the label M LABEL
file (see FILE SELECTION). You will then be presented v M LABEL
same input screens as you were when you created the lab M LABEL
that now they will contain the information you put in befo M LABEL
Follow the same instructions as under CREATE A LABE   M LABEL
to modify your control file (see LABELS).   M LABEL

```
                                                        M LABEL
                                                        M LABEL
********************************************************  R LABEL
                                                        R LABEL
                                                        R LABEL
    13.4.3.        PRODUCE LABELS                        R LABEL
            --------------                               R LABEL
                                                        R LABEL
LABEL FORM <label file name> [<scope>] [SAMPLE] [WHIL   R LABEL
[FOR <condition>] [TO PRINT] [TO FILE <output file name> R LABEL
                                                        R LABEL
    This command  will allow  you to  produce labels  based  R LABEL
information you  have put in a label control file (see LABEL). R LABEL
must have an active database to use this command.   The la R LABEL
come out  in the  order of the primary index.  If there is no in R LABEL
it will come out in the order records are in the database.     R LABEL
                                                        R LABEL
    You will get your choice of what records can be selected, R LABEL
rules will  be used  to select records, and what rules will be  R LABEL
in determining when to stop selection records to create label R LABEL
(see CHOICES).  The  default is  that all  records will be pri  R LABEL
unless there is a filter in effect (see  FILTERS).   If there  is a R LABEL
filter only  records that pass the filter conditions can be used R LABEL
create labels (see HOW RECORDS ARE SELECTED).      R LABEL
                                                        R LABEL
    You will then be asked for the name of the report control  R LABEL
(see FILE  SELECTION).   You will be asked if you want to  R LABEL
sample.   If you  say yes  a sample  label made  up of  X's w R LABEL
printed.   You will  then be asked if you want another label.  R LABEL
you say no the labels will be produced on the screen, printer R LABEL
a file depending on what you have specified with the OUT    R LABEL
(see OUTPUT).                                           R LABEL
                                                        R LABEL
********************************************************  R LIST
                                                        R LIST
                                                        R LIST
    13.5.             LIST RECORDS                       R LIST
                ------------                             R LIST
                                                        R LIST
LIST [OFF] [<scope>] [expression list] [WHILE <condition>]  R LIST
[FOR <condition>]  [TO PRINT]                           R LIST
                                                        R LIST
    This command allows you to get a listing of the informatic R LIST
your  databases.   You  must  have  an active database to u R LIST
command.  A listing is a report with  field information  in col  R LIST
and records in rows.  The listing will come out in the order of R LIST
primary index.  If there is no index it will come out  in the ord R LIST
records are in the database.                            R LIST
                                                        R LIST
```

hi

You will get your choice of which fields are listed includi R LIST
those from related databases, what order the fields appear R LIST
records can be selected, what rules will be used to select re R LIST
and what rules will be used in determining when to stop pr R LIST
(see CHOICES).   The default is that all records will be lis R LIST
unless there is a filter in effect (see FILTERS).   If there is a R LIST
filter only records that pass the filter conditions can be liste R LIST
(see HOW RECORDS ARE SELECTED). If you do no spe R LIST
all fields will be listed from the main database.   R LIST
                                                                 R LIST
The report will then be produced on the screen, printer or R LIST
file depending on what you have specified with the OUT   R LIST
(see OUTPUT).   R LIST
                                                                 R LIST
** R DISPLAY
                                                                 R DISPLAY
                                                                 R DISPLAY
    13.6.   DISPLAY RECORDS   R DISPLAY
                  ---------------   R DISPLAY
                                                                 R DISPLAY
DISPLAY [OFF] [<scope>] [expression list] [WHILE <conditi R DISPLAY
[FOR <condition>] [TO PRINT]   R DISPLAY
                                                                 R DISPLAY
    This command allows you to display   the information in R DISPLAY
databases. You must have an active database to use thi   R DISPLAY
A display is a report with field information in columns and re R DISPLAY
in rows. You must have an active database to use this   R DISPLAY
The display will come out in the order of the primary index. R DISPLAY
there is no index it will come out in the order records are in R DISPLAY
database.   R DISPLAY
                                                                 R DISPLAY
    You will get your choice of which fields are displaye R DISPLAY
including those from related databases, what order the fi R DISPLAY
appear, what records can be selected, what rules will be u R DISPLAY
select records, and what rules will be used in determining w R DISPLAY
stop printing (see CHOICES).   The default is that only the R DISPLAY
record will be displayed. If there is a filter only records that R DISPLAY
pass the filter conditions can be displayed (see HOW   R DISPLAY
SELECTED). If you do no specify fields then all fields will R DISPLAY
displayed from the main database.   R DISPLAY
                                                                 R DISPLAY
The output will then be produced on the screen, printer or R DISPLAY
file depending on what you have specified with the OUT   R DISPLAY
(see OUTPUT).   R DISPLAY
                                                                 R DISPLAY
** R SUM
                                                                 R SUM
                                                                 R SUM
    13.7.   SUM RECORDS   R SUM

```
                 ------------                          R SUM
                                                       R SUM
SUM [<scope>] [expression list] [WHILE <condition>]    R SUM
[FOR <condition>]  [TO <memory variable list>]         R SUM
                                                       R SUM
     This command  allows you  to total  the numeric fields in  R SUM
databases.  You must have an active database  to use  thi   R SUM
You will get your choice of which fields are summed includin R SUM
from related databases, what order the fields appear,  what  R SUM
can be  selected, what  rules will  be used  to select records R SUM
what rules will be used in  determining when  to stop  summi R SUM
CHOICES).   The default  is that  all records will be summed R SUM
there is a filter in effect (see FILTERS).  If  there is  a filter  R SUM
only records  that pass  the filter rules can be summed.  If y  R SUM
not specify fields then all numeric fields will be summed  fro  R SUM
main database.                                         R SUM
                                                       R SUM
If there are no numeric fields you will get an error message.  R SUM
                                                       R SUM
The output  will then  be produced  on the  screen, printer or R SUM
file depending on what you have  specified with  the OUT     R SUM
(see OUTPUT).                                           R SUM
                                                       R SUM
********************************************************************  R AVERAGE
                                                       R AVERAGE
                                                       R AVERAGE
    13.8.               AVERAGE RECORDS                 R AVERAGE
                 ---------------                        R AVERAGE
                                                       R AVERAGE
AVERAGE [<scope>] [expression list] [WHILE <condition>]  R AVERAGE
[FOR <condition>]  [TO <memory variable list>]         R AVERAGE
                                                       R AVERAGE
     This command  allows you to average the numeric fields  R AVERAGE
databases.  You must have an active database  to use  thi   R AVERAGE
You will  get your  choice of  which fields  are averaged incl  R AVERAGE
those from related databases,  what order  the fields  appear R AVERAGE
records can be selected, what rules will be used to select re  R AVERAGE
and what rules will  be used  in determining  when to  stop   R AVERAGE
(see CHOICES).   The  default is  that all records will be av   R AVERAGE
unless there is a filter in effect (see  FILTERS).   If there  is a R AVERAGE
filter only records that pass the filter conditions can be aver  R AVERAGE
(see HOW RECORDS ARE SELECTED).  If you do not  spe R AVERAGE
all numeric fields will be averaged from the main database.   R AVERAGE
                                                       R AVERAGE
If there are no numeric fields you will get an error message.  R AVERAGE
                                                       R AVERAGE
The output  will then  be produced  on the  screen, printer or R AVERAGE
file depending on what you have  specified with  the OUT     R AVERAGE
(see OUTPUT).                                           R AVERAGE
```

```
                                                                      R AVERAGE
**********************************************************************  R COUNT
                                                                      R COUNT
                                                                      R COUNT
     13.9.                    COUNT RECORDS                            R COUNT
                     -------------                                     R COUNT
                                                                      R COUNT
COUNT [<scope>] [expression list] [WHILE <condition>]                 R COUNT
[FOR <condition>]  [TO <memory variable>]                             R COUNT
                                                                      R COUNT
     This command allows you to count the number of records R COUNT
databases.  You must have an active database  to use  thi   R COUNT
You  will  get  your  choice  of what records can be selected, R COUNT
rules will be used to select records, and  what rules  will be  R COUNT
in determining when to stop counting (see CHOICES).  The  R COUNT
that all records will be counted unless there is a filter in effec R COUNT
(see FILTERS).   If  there is  a filter  only records that pass t R COUNT
filter conditions can be counted.                                     R COUNT
                                                                      R COUNT
The output will then  be produced  on the  screen, printer  or R COUNT
file depending  on what  you have specified with the OUT     R COUNT
(see OUTPUT).                                                          R COUNT
                                                                      R COUNT
**********************************************************************  A SORT
                                                                      A SORT
                                                                      A SORT
14.                       SORT RECORDS                                 A SORT
                   ------------                                        A SORT
                                                                      A SORT
SORT TO <database file name> ON <field name> [|A][|C][|D A SORT
[<field name> [|A][|C][|D]...] [<scope>][For <condition>]     A SORT
[WHILE <condition>][FIELDS <field list>]                              A SORT
                                                                      A SORT
     This command allows you to make another copy  of your A SORT
sorted in  an order  you specify.  You must have an active d A SORT
to use this command.  You will get your choice of which  fiel A SORT
copied  including  those  from  related  databases,  what ord A SORT
fields appear, what records can be copied, what rules will  b A SORT
to select  records, and what rules will be used in determinin A SORT
to stop copying (see  CHOICES).  The default  is that  all re A SORT
will be  copied unless  there is  a filter in effect (see FILTERS A SORT
If there is a filter only records that  pass the  filter conditions A SORT
can  be  copied  (see  HOW  RECORDS  ARE  SELECTED) A SORT
specify fields  then  all  fields  will  be  copied  from  the mair A SORT
database.                                                             A SORT
                                                                      A SORT
     You will  be asked  for the name of the field you want to s A SORT
on (see SELECTING FIELDS).  You will then be asked whet A SORT
to sort ascending or descending.  Just enter the appropriate A SORT
```

A or D. If the field you have chosen is a character field you w A SORT
be asked whether to take case into consideration. This m A SORT
you want upper and lower case to be separated or do you A SORT
computer to treat everything as if it were upper case.   A SORT
                                                              A SORT
     The computer will keep on asking you for additional s A SORT
fields until you enter a blank one.   A SORT
                                                              A SORT
     You will then be asked for a name for the new databas A SORT
FILE SELECTION). You may at this time if you change A SORT
about creating the new database press the {Esc} key.   A SORT
                                                              A SORT
*** A COPY
                                                              A COPY
                                                              A COPY
15.   COPY RECORDS   A COPY
                  ------------   A COPY
                                                              A COPY
COPY TO <database file name> [<scope>] [FIELDS <fields A COPY
[FOR <condition> [WHILE <condition>] [TYPE <file type>]   A COPY
                                                              A COPY
     This command allows you to make another copy of your A COPY
You must have an active database to use this command. Yo A COPY
your choice of which fields are copied including those from r A COPY
databases, what order the fields appear, what records   A COPY
copied, what rules will be used to select records, and what A COPY
will be used in determining when to stop copying (see C   A COPY
The default is that all records will be copied unless there is A COPY
filter in effect (see FILTERS). If there is a filter only records A COPY
that pass the filter conditions can be copied (see HOW   A COPY
SELECTED).   If you do not specify fields then all fields will A COPY
copied from the main database.   A COPY
                                                              A COPY
     You will then be asked for a name for the new databas A COPY
FILE SELECTION). You may at this time if you change A COPY
about creating the new database press the {Esc} key.   A COPY
                                                              A COPY
     This is a good command to use to back up your database A COPY
                                                              A COPY
*** X HELP
                                                              X HELP
                                                              X HELP
16.   POSITION CHANGE   X HELP
                  ---------------   X HELP
                                                              X HELP
     For the master database, a pointer is kept to the last rec X HELP
used. As you execute different commands this pointer is ch X HELP
reflect the last used record. For many commands the record X HELP
to becomes the current record.   As an example if you exec X HELP

Edit command with no other options, you will get the record X HELP
this pointer points to. If you Display the next five records, y X HELP
will get the current record along with the next four. If you do X HELP
display again, you will get the record displayed last in th X HELP
previous Display command as well as the next four records X HELP
times you will want to start processing from a certain point in X HELP
database, or to work on a specific record.   The comman X HELP
allow you to position the pointer to the record you want.   X HELP
                                                                X HELP
      One thing I ran into that you should watch out for. I wan X HELP
to edit a specific record. I used the seek command to find X HELP
record. I did not get any message so I assumed the rec X HELP
found. Then I went and executed the Edit menu item. It was X HELP
record I wanted. It wasn't even close. After trying a couple X HELP
times with the same results I realized I had set the 'All' X HELP
condition while using the display command.   Since many X HELP
commands share the same options, when I did an Edit I was X HELP
Edit All.   This caused me to start at the first record in the X HELP
database instead of the one I wanted. The same thing cou X HELP
if you specified a specific record number.   X HELP
                                                                X HELP
** X HELP
                                                                X HELP
                                                                X HELP
      16.1.   CHANGE POSITION WITH SPECIAL KEYS   X HELP
             ---------------------------------   X HELP
                                                                X HELP
      Any time you are on a level 2, 3 or 4 menu item in the X HELP
Mode, and you have named a database, you can move aro X HELP
database using special keys. These are: X HELP
                                                                X HELP
   {+}   Will move the record pointer to the next record.   X HELP
                                                                X HELP
   {-}   Will move the record pointer to the previous record X HELP
                                                                X HELP
   {End}   Will move the record pointer to the last record.   X HELP
                                                                X HELP
   {Home}   Will move the record pointer to the first record. X HELP
                                                                X HELP
** P SEEK
                                                                P SEEK
                                                                P SEEK
      16.2.   SEEK   P SEEK
                    ----   P SEEK
                                                                P SEEK
SEEK <expression>   P SEEK
                                                                P SEEK
      This command allows you to quickly look for a record ba P SEEK
the primary index. You must have an active database as wo P SEEK

active index to use this command.   You will be asked to ent P SEEK
key. If your key is character, do not enclose it in quotes. IP SEEK
your key is a date do not convert it to a date. Enter it in P SEEK
character form. Example 10/11/87. If the record is not fou P SEEK
will get a warning message.   You will not get any message P SEEK
record is found.   P SEEK
                                                                    P SEEK
*** P LOCATE
                                                                    P LOCATE
                                                                    P LOCATE
    16.3.   LOCATE   P LOCATE
                          ------   P LOCATE
                                                                    P LOCATE
LOCATE [<scope>] [FOR <condition>] [WHILE <condition>] P LOCATE
                                                                    P LOCATE
    This command allows you to find the first record tha P LOCATE
satisfies a set of rules (see CONDITIONS). You must have P LOCATE
database to use this command. You will get your choice P LOCATE
records to look through and what rules to use in determini P LOCATE
to stop looking. You will of course get to enter the rules fc P LOCATE
picking the record to stop at (see CHOICES). The default i P LOCATE
the search will start from the start of the database. If a filter P LOCATE
is in effect only those records that past the filter test will be P LOCATE
evaluated by the Locate rules. If no record is found under P LOCATE
conditions you will get a warning message. To position at th P LOCATE
record that fulfills those rules, use the CONTINUE command P LOCATE
                                                                    P LOCATE
*** P CONTINUE
                                                                    P CONTINUE
                                                                    P CONTINUE
    16.4.   CONTINUE   P CONTINUE
                          --------   P CONTINUE
                                                                    P CONTINUE
CONTINUE   P CONTINUE
                                                                    P CONTINUE
    This command finds the next record that fits the rules t P CONTINUE
were specified in the previous LOCATE command. You m P CONTINUE
active database to use this command.   You must exec   P CONTINUE
before you use this command. If you do not you will get a   P CONTINUE
message. If no more records are found that fit the rules you P CONTINUE
be notified.   If there is a filter in effect, only those records P CONTINUE
that pass the filter test will be checked.   P CONTINUE
                                                                    P CONTINUE
*** P SKIP
                                                                    P SKIP
                                                                    P SKIP
    16.5.   SKIP   P SKIP
                          ----   P SKIP
                                                                    P SKIP

SKIP <numeric expression>   P SKIP
                                                             P SKIP
    This command allows you to move forward or backwar(P SKIP
database a specified number of records.   You must have aP SKIP
database to use this command. If the database is not inde P SKIP
this will move you actual physical records.   If the databaseP SKIP
indexed it will move you based on the primary index.   You \P SKIP
asked to enter the number of records to skip. A positive   P SKIP
will move your forward, a negative number will move you b P SKIP
A 1 will move your to the next record. A   -2 will move you P SKIP
two records. If there is a filter in effect, only those records P SKIP
that pass the filter's rules will be counted in determining whP SKIP
records to skip. You can execute a SKIP 1 and a SKIP -1   P SKIP
menu item using the {+} and {-} keys (see ONE KEY COMM P SKIP
                                                             P SKIP
** P GOTO
                                                             P GOTO
                                                             P GOTO
    16.6.   GOTO   P GOTO
                         ----   P GOTO
                                                             P GOTO
GOTO <numeric expression>   P GOTO
                                                             P GOTO
    This command will allow you to go to a specific physi P GOTO
record. You must have an active database to use this   P GOTO
Having or not having an index has no effect on this commaP GOTO
will be asked to enter the record number you want to go to. P GOTO
enter a number greater then the number of records you wilP GOTO
warning message.   P GOTO
                                                             P GOTO
** P TOP
                                                             P TOP
                                                             P TOP
    16.7.   TOP   P TOP
                         ---   P TOP
                                                             P TOP
GOTO TOP   P TOP
                                                             P TOP
    This command will move you to the beginning of the da P TOP
You must have an active database to use this commandP TOP
database is not indexed you will be moved to the first phy:P TOP
record.   If the database is indexed you will be positioned toP TOP
first record in the primary index.   You can also execute tlP TOP
command from any menu item by pressing the {Home} key P TOP
COMMANDS).   P TOP
                                                             P TOP
** P BOTTOM
                                                             P BOTTOM
                                                             P BOTTOM

16.8.   BOTTOM   P BOTTOM
                  ------   P BOTTOM
                                    P BOTTOM
GOTO BOTTOM   P BOTTOM
                                    P BOTTOM
    This command will move you to the last record in the dat P BOTTOM
You must have an active database to use this command P BOTTOM
database isn't indexed you will be moved to the last phys P BOTTOM
record. If the database is indexed you will be moved to the P BOTTOM
record in the primary index. You can also execute this   P BOTTOM
from any menu item by pressing the {End} key (see   P BOTTOM
COMMANDS).   P BOTTOM
                                    P BOTTOM
** P BROWSE
                                    P BROWSE
                                    P BROWSE
16.9.   BROWSE   P BROWSE
                  ------   P BROWSE
                                    P BROWSE
BROWSE NOMODIFY [FIELDS <field list>] [LOCK <numeri P BROWSE
[FREEZE <field name>] [NOFOLLOW] [NOMENU] [NOAPP P BROWSE
[WIDTH <numeric expression>]   P BROWSE
                                    P BROWSE
    This command will allow you to look through the databa P BROWSE
find the record or information that you want. It is the sa P BROWSE
Browse command as that under Update.   The only differen P BROWSE
cannot make any changes to the database in this browse.   P BROWSE
BROWSE for a full explanation of how to use this command. P BROWSE
also execute this command from any menu item by pressin P BROWSE
key (see ONE KEY COMMANDS).   P BROWSE
                                    P BROWSE
** X HELP
                                    X HELP
                                    X HELP
17.   UPDATING   X HELP
                  --------   X HELP
                                    X HELP
    The following commands are used to make changes X HELP
database.   You can add and delete records. You can ch X HELP
information contained in records.   X HELP
                                    X HELP
** X HELP
                                    X HELP
                                    X HELP
                  FORMAT FILES   X HELP
                  ------------   X HELP
                                    X HELP
    Format files allow you to describe for the EDIT and   X HELP
commands how you want the input screen to look. You spe X HELP

you want things to appear on the screen by giving the r   X HELP
column coordinates.   The screen has 24 rows and 80 colu X HELP
rows are numbered from 0 to 23 and the columns from 0 to X HELP
can place expressions (see EXPRESSIONS) or databas X HELP
anywhere on the screen you want.   X HELP
                                                            X HELP
    The command used to do all this is: X HELP
                                                            X HELP
@ <coordinates> [SAY <expression>[PICTURE <format>]   X HELP
[GET <variable> [PICTURE <format>]   X HELP
[RANGE <numeric expression>, <numeric expression>]   X HELP
[VALID <condition>]]]   X HELP
                                                            X HELP
    EXAMPLES: X HELP
                                                            X HELP
@ 12,3 SAY 'ENTER THE NAME'   X HELP
                                                            X HELP
    This would place 'ENTER THE NAME' on the 13th row ar X HELP
column.   X HELP
                                                            X HELP
@ 12,3 SAY 'HIS NAME WAS '+FIRST_NAME+' '+LAST_N X HELP
                                                            X HELP
    This would put at the same location 'HIS NAME WAS ' f X HELP
by his first name and then his last name.   X HELP
                                                            X HELP
    The assumes that FIRST_NAME and LAST_NAME wer X HELP
current primary database. In the following examples we ass X HELP
unless otherwise noted.   X HELP
                                                            X HELP
@ 12,3 SAY 'ENTER NAME'   X HELP
@ 12,20 GET FIRST_NAME   X HELP
@ 12,45 GET LAST_NAME   X HELP
                                                            X HELP
    Again on the 13th row and 4rth column 'ENTER NAME' X HELP
placed on the screen.   This would be followed by two highl X HELP
fields. The cursor would stop in each of these and allow y X HELP
input your information.   X HELP
                                                            X HELP
@ 12,20 GET FIRST_NAME PICTURE '!XXXXXXXXXXXXX› X HELP
                                                            X HELP
    Use of the picture clause here would force the first chara X HELP
of the name to be upper case.   X HELP
                                                            X HELP
    The following are is a list of the different editing keys you X HELP
can use.   X HELP
                                                            X HELP
A   Alphabetic characters only.   X HELP
                                                            X HELP
L   Logical only.   X HELP

X HELP
N   Letters and digits only.   X HELP
X HELP
X   Any characters.   X HELP
X HELP
Y   Logical Y, y, N, y.   Lower case will be converted to up X HELP
     case.   X HELP
X HELP
9   Digits and sign for numeric only.   X HELP
X HELP
Digits, blanks and signs.   X HELP
X HELP
!   Converts lower case to upper case.   X HELP
X HELP
$ A dollar sign is placed in front of the number.   X HELP
X HELP
*   Asterisks are placed in front of the number.   X HELP
X HELP
.   Shows where to put the decimal place.   X HELP
X HELP
,   Places commas in a number to the left of the decimal pla X HELP
X HELP
     Besides editing characters there are also editing functio X HELP
X HELP
@ 12,30 GET ST_DATE PICTURE '@D'   X HELP
X HELP
     This will prompt for input in date format mm/dd/yy.   X HELP
X HELP
     The following is a list of the functions that can be used.   X HELP
X HELP
@A   Alphabetic characters only.   X HELP
X HELP
@B   Left-justify numbers.   X HELP
X HELP
@C   Place a CR after positive numbers.   X HELP
X HELP
@D   Edit using date format mm/dd/yy.   X HELP
X HELP
@S<number>   Limit the screen display to 'number' charac X HELP
           the field is bigger, allow scrolling of input.   X HELP
X HELP
@X   Place a DB after negative numbers.   X HELP
X HELP
@Z   Display blanks if the numeric field is zero.   X HELP
X HELP
@(Enclose negative numbers in parentheses.   X HELP
X HELP
@!   Alphabetic characters will be converted to upper case. X HELP
     characters can be entered.   X HELP

```
                                                           X HELP
@ 12,30 GET SALARY RANGE 20000, 50000                      X HELP
                                                           X HELP
     Allow only salaries of 20000 to 50000.                X HELP
                                                           X HELP
@ 12,30 GET SEX VALID SEX = 'M' .OR. SEX = 'F'             X HELP
                                                           X HELP
     This will  only allow  'M' or 'F' to be entered into the field  X HELP
SEX.  A  VALID statement  can be  any expression  that eva X HELP
true or false.  If no value is place in the field, the VALID clau X HELP
is not implemented.                                        X HELP
                                                           X HELP
                                                           X HELP
********************************************************************  N FORMAT
                                                           N FORMAT
                                                           N FORMAT
               NAME A FORMAT FILE                          N FORMAT
               ------------------                          N FORMAT
                                                           N FORMAT
SET FORMAT TO <format file name>                           N FORMAT
                                                           N FORMAT
     This command will allow you to choose a format file.  A f N FORMAT
file is  a dBASE  type program  file that contains instructions N FORMAT
data input  and editing  while using  the Edit  and Append    N FORMAT
(SEE FORMAT FILES).  This file must have an extension .F N FORMAT
                                                           N FORMAT
********************************************************************  M FORMAT
                                                           M FORMAT
                                                           M FORMAT
               MODIFY A FORMAT FILE                        M FORMAT
               --------------------                        M FORMAT
                                                           M FORMAT
MODIFY COMMAND <format file name>.FMT                       M FORMAT
                                                           M FORMAT
     This command  is used  to create  and modify format files M FORMAT
FORMAT FILES).  You will be place in the editor just as  you M FORMAT
Modify Programs and Modify Files.  The only difference here M FORMAT
the extension will be '.FMT'.  If the  format you  are modifying M FORMAT
the current  one, when  you use  it again you will get the mod M FORMAT
format.                                                    M FORMAT
                                                           M FORMAT
********************************************************************  U EDIT
                                                           U EDIT
                                                           U EDIT
     17.1.         EDIT RECORDS IN DATABASE                 U EDIT
               ------------------------                    U EDIT
                                                           U EDIT
EDIT [<scope>] [FIELDS <field list>] [FOR <condition>]     U EDIT
[WHILE <condition>]                                        U EDIT
```

U EDIT

This command will allow you to change the data in U EDIT
databases.   You must have an active database to use thi   U EDIT
You will get your choice of which fields are edited including U EDIT
from related databases, what order the fields appear, what U EDIT
can be selected for editing, what rules will be used to sel U EDIT
records, and what rules will be used in determining when t U EDIT
selecting records to edit (see CHOICES). The default is th U EDIT
records will be edited unless there is a filter in effect (see U EDIT
FILTERS). If there is a filter only records that pass the filte U EDIT
conditions can be edited (see HOW RECORDS ARE SELEC U EDIT
not specify fields then all fields will be edited from the mai U EDIT
database.   You may specify fields from related databases U EDIT
will be able to edit those databases at the same time you ed U EDIT
master database.   U EDIT

U EDIT

After you execute this command, if you have not cho U EDIT
format file, you will be presented with a screen containing U EDIT
fields you have chosen and the data for the current record U EDIT
may edit the databases using the different editing keys U EDIT
EDITING KEYS)   U EDIT

U EDIT

If you have chosen a format file see FORMAT FILES.   U EDIT

U EDIT
** U APPEND

U APPEND

U APPEND

17.2.   APPEND TO DATABASE   U APPEND
          ------------------   U APPEND

U APPEND

APPEND [BLANK]   U APPEND

U APPEND

This command will allow you to add new records to U APPEND
database (see EDITING KEYS). You must have an active U APPEND
use this command.   As you end each record a new one will U APPEND
Depending on how you have set carry this will be blank o U APPEND
contain all the same information as the previous record (U APPEND
CARRY under SET COMMANDS). If you have chosen a f U APPEND
FORMAT FILES.   U APPEND

U APPEND
** U BROWSE

U BROWSE

U BROWSE

17.3.   BROWSE THROUGH DATABASE   U BROWSE
          -----------------------   U BROWSE

U BROWSE

BROWSE [FIELDS <field list>] [LOCK <numeric expression>U BROWSE
[FREEZE <field name>] [NOFOLLOW] [NOMENU] [NOAPP U BROWSE
[NOMODIFY] [WIDTH <numeric expression>]   U BROWSE

U BROWSE

This command will allow you to look through your data U BROWSE
page at a time and make changes if you want.   You must U BROWSE
active database to use this command.   This is one of th U BROWSE
powerful commands for accessing your data. It gives you a U BROWSE
your data in a format that is very similar to a spreadsheet. U BROWSE
is also one of the more dangerous commands because it is U BROWSE
change data accidentally. I suggest that if you are just usin U BROWSE
to look through your data you use the Browse under Positio U BROWSE
set 'Modify off'.   U BROWSE

U BROWSE

See EDIT INPUT for how to use special keys to move U BROWSE
and edit your data in the Browse Mode.   U BROWSE

U BROWSE

There are a number of options you can set in the browse U BROWSE

U BROWSE

** X HELP

X HELP

X HELP

17.3.1.   EXECUTE   X HELP
                -------   X HELP

X HELP

This option will cause the BROWSE COMMAND to execX HELP
the current option settings.   X HELP

X HELP

** X HELP

X HELP

X HELP

17.3.2.   BUILD A FIELD LIST   X HELP
              ------------------   X HELP

X HELP

This option will allow you to build a field list for the   X HELP
BROWSE COMMAND (see FIELD SELECTION). You may X HELP
from the master database.   You may not as you can wit X HELP
commands specify fields from related databases.   X HELP

X HELP

** X HELP

X HELP

X HELP

17.3.3.   WIDTH   X HELP
               -----   X HELP

X HELP

This option allows you to set the maximum size that a fiX HELP
will be able to take up on the screen in BROWSE MODE. IfX HELP
more data for a field then can fit in that size, you will be abl X HELP
to scroll through the field to access the hidden data.   X HELP

X HELP

** X HELP

X HELP

X HELP

17.3.4.   LOCK   X HELP
              ----   X HELP
                                                        X HELP
    This option will allow you to specify the number of left h X HELP
fields to keep in place as you pan right to see additional fie X HELP
in the record.   X HELP

                                                        X HELP
** X HELP
                                                        X HELP
                                                        X HELP
    17.3.5.   FOLLOW   X HELP
              ------   X HELP
                                                        X HELP
    This option causes you to end up in the same place a X HELP
current record when you change the any field that is part o X HELP
index.   X HELP
                                                        X HELP
** X HELP
                                                        X HELP
                                                        X HELP
    17.3.6.   NO FOLLOW   X HELP
              ---------   X HELP
                                                        X HELP
    This option prevents you from following a record that X HELP
changed position in the database because you have chang X HELP
the index expression.   X HELP
                                                        X HELP
** X HELP
                                                        X HELP
                                                        X HELP
    17.3.7.   APPEND   X HELP
              ------   X HELP
                                                        X HELP
    This option allows you to append to the end of the dat X HELP
while in Browse Mode.   X HELP
                                                        X HELP
** X HELP
                                                        X HELP
                                                        X HELP
    17.3.8.   NO APPEND   X HELP
              ---------   X HELP
                                                        X HELP
    This option prevents you from appending to the end o X HELP
database while in Browse Mode.   X HELP
                                                        X HELP
** X HELP
                                                        X HELP
                                                        X HELP

17.3.9.   MODIFY   X HELP
                  ------   X HELP
                                                           X HELP
     This option allows you to make modifications to your da X HELP
while in the Browse Mode.   X HELP
                                                           X HELP
*** X HELP
                                                           X HELP
                                                           X HELP
     17.3.10.   NO MODIFY   X HELP
                  ---------   X HELP
                                                           X HELP
     This option prevents you from making modifications wh X HELP
the Browse Mode.   X HELP
                                                           X HELP
*** U REPLACE
                                                           U REPLACE
                                                           U REPLACE
     17.4.   REPLACE FIELDS IN RECORDS   U REPLACE
                  ------------------------   U REPLACE
                                                           U REPLACE
REPLACE <field name> WITH <expression>[, <field name>   U REPLACE
<expression>...] [<scope>] [FOR <condition>] [WHILE <cond U REPLACE
                                                           U REPLACE
     This command will allow you to replace fields within t U REPLACE
database with constants or expressions (see EXPRESSION U REPLACE
have an active database to use this command.   You will g U REPLACE
choice of what records can be changed, what rules will be U REPLACE
select records, and what rules will be used in determining w U REPLACE
stop selecting records to be changed (see CHOICES). The U REPLACE
that only the current record will be changed.   U REPLACE
                                                           U REPLACE
     You will then be asked what field you want to replace wi U REPLACE
data, followed by what expression you want to replace that U REPLACE
with (see EXPRESSIONS).   This means if you are repl U REPLACE
character field you should enclose your constants in quote U REPLACE
you are replacing a date field make sure you are putting in U REPLACE
expression by changing your character date to a date wit U REPLACE
CTOD() function. Example CTOD('09/12/87').   U REPLACE
                                                           U REPLACE
     The computer will keep on asking for a field name until U REPLACE
enter a blank field name. It will then execute the comma U REPLACE
make the replacements you have specified.   U REPLACE
                                                           U REPLACE
     Watch out for this command. You can make a lot of   U REPLACE
very quickly. You can also make a lot of bad changes very (U REPLACE
It might be a good idea to back up your database before usi U REPLACE
command. Of course it is wise to back up your database U REPLACE
regular basis also.   U REPLACE

U REPLACE

** U DELETE

U DELETE

U DELETE

17.5.   DELETE RECORDS   U DELETE

--------------   U DELETE

U DELETE

DELETE [<scope>] [FOR <condition>] [WHILE <condition>] U DELETE

U DELETE

This command will mark for deletion records in the data U DELETE

You must have an active database to use this command. It U DELETE

actually delete the records it only marks them. You will get U DELETE

choice of what records can be deleted, what rules will be u U DELETE

select records, and what rules will be used in determining wU DELETE

stop selecting records to be deleted (see CHOICES). The dU DELETE

that only the current record will be deleted.   U DELETE

U DELETE

** U RECALL

U RECALL

U RECALL

17.6.   RECALL DELETED RECORDS   U RECALL

----------------------   U RECALL

U RECALL

RECALL [<scope>] [FOR <condition>] [WHILE <condition>] U RECALL

U RECALL

This command   will unmark records that were markeU RECALL

deletion. You must have an active database to use this   U RECALL

You will get your choice of what records can be recalled, U RECALL

rules will be used to select records, and what rules will be U RECALL

in determining when to stop selecting records to be recalle U RECALL

CHOICES). The default is that only the current record wiU RECALL

recalled.   U RECALL

U RECALL

U RECALL

** U PACK

U PACK

U PACK

17.7.   PACK DATABASE   U PACK

-------------   U PACK

U PACK

PACK   U PACK

U PACK

This command will remove from the database all recordU PACK

are marked for deletion. You must have an active databasU PACK

this command.   You will be told the number of records that \U PACK

deleted. You will be asked if you want a listing of those reccU PACK

You will then be asked if you are sure you want to packU PACK

database. Once you execute this command you cannot U PACK

records back. Be careful.   U PACK

```
                                                              U PACK
                                                              U PACK
****************************************************************  X HELP
                                                              X HELP
                                                              X HELP
18.             MODIFYING FILES & PROGRAMS        X HELP
            --------------------------                        X HELP
                                                              X HELP
****************************************************************  M FILE
                                                              M FILE
                                                              M FILE
   18.1.              MODIFY A FILE              M FILE
                 -------------                                M FILE
                                                              M FILE
MODIFY FILE <file name>                           M FILE
                                                              M FILE
     This command  is used to edit a file.    You will be asked M FILE
the file name (see FILE SELECTION).  If a file by the name M FILE
does not  exist it will be created.  You will be placed in the Fi M FILE
Edit Mode with that file.                          M FILE
                                                              M FILE
     The File Edit Mode  is just  like a  word processor.   You M FILE
type  in  new  information  and  modify old information. See M FILE
EDITING INPUT the special keys that  you can  use to  input M FILE
and save your data.                               M FILE
                                                              M FILE
****************************************************************  M PROGRAM
                                                              M PROGRAM
                                                              M PROGRAM
   18.2.              MODIFY A PROGRAM           M PROGRAM
                 ----------------                             M PROGRAM
                                                              M PROGRAM
MODIFY COMMAND <file name>                      M PROGRAM
                                                              M PROGRAM
     This command  is used  to edit  a program  file.   You will M PROGRAM
asked for the file name (see FILE SELECTION).  If you do n M PROGRAM
an extension, '.prg' will be used.  If a file by that name does M PROGRAM
exist it will be created.  If a file by that name with an extensi M PROGRAM
of  '.FOX'  or  '.III'  exist,  they  will be deleted.  You will be M PROGRAM
placed in the file edit mode with that file.          M PROGRAM
                                                              M PROGRAM
     See EDITING INPUT for a description of the keys you ca M PROGRAM
input, modify and save your program.              M PROGRAM
                                                              M PROGRAM
****************************************************************  X HELP
                                                              X HELP
                                                              X HELP
19.                 EXTRA                        X HELP
                 -----                                        X HELP
```

X HELP

** E COMMAND

E COMMAND

E COMMAND

19.1.   EXECUTE FROM THE COMMAND MODE   E COMMAND
        -----------------------------   E COMMAND

E COMMAND

This command will put you in the command execution m E COMMAND
may put in most dBASE commands. You cannot execute E COMMAND
here.   You must go to the Command Mode off of the openi E COMMAND
do this. You can execute FoxBASE+ compiled programs fro E COMMAND

E COMMAND

Your commands will be stored as you put them in. Press E COMMAND
{Up Arrow} will get you back the commands you have E COMMAND
previously. You may edit your commands just like you can E COMMAND
input anywhere else in I on I = 3!! (see EDITING INPUT).   E COMMAND

E COMMAND

You can return to the Menu Mode by using the QUIT   E COMMAND
commands.   E COMMAND

E COMMAND

** E EXECUTE

E EXECUTE

E EXECUTE

19.2.   EXECUTE DOS COMMANDS   E EXECUTE
        --------------------   E EXECUTE

E EXECUTE

RUN <DOS command>   E EXECUTE

E EXECUTE

This command will put you in the DOS Command Mode E EXECUTE
enter any DOS commands you like from here. There will b E EXECUTE
on what you can do based on the amount of free memor E EXECUTE
possible you will not be able to execute any commands.   E EXECUTE

E EXECUTE

Just like in the Command Mode, your commands will be E EXECUTE
You can get them back by pressing the {Up Arrow}.   You   E EXECUTE
edit the commands (see EDITING INPUT).   E EXECUTE

E EXECUTE

** E DIRECTOR

E DIRECTOR

E DIRECTOR

19.3.   DIRECTORY   E DIRECTOR
            ---------   E DIRECTOR

E DIRECTOR

DIR [<drive:][<path>][<mask>] [TO PRINT]   E DIRECTOR

E DIRECTOR

This command will allow you to get a directory of the y E DIRECTOR
files. You will be given a menu of the types of files you   E DIRECTOR
choose. If you want something that is not in the menu   E DIRECTOR
'Other'. You will be asked to enter the mask you want to s E DIRECTOR

for.   If you want to look for files in another directory, this is E DIRECTOR
the only way to do it. You must put in the full path name.   E DIRECTOR
E DIRECTOR
** E CHANGE D
E CHANGE D
E CHANGE D
    19.4.   CHANGE DIRECTORY   E CHANGE D
              ----------------   E CHANGE D
E CHANGE D
    This command will allow you to change to another direcE CHANGE D
You will be asked to enter the new directory path name. Y E CHANGE D
put the full path name in. Changing to another disk drive wilE CHANGE D
make that the current directory unless you also use the Set E CHANGE D
to select that new drive.   E CHANGE D
E CHANGE D
** E RENAME
E RENAME
E RENAME
    19.5.   RENAME A FILE   E RENAME
               -------------   E RENAME
E RENAME
RENAME <old file name> TO <new file name>   E RENAME
E RENAME
    This command will allow you to change the name of a fileE RENAME
will be asked for the original file name (see FILE SELECTIO E RENAME
will then be asked to enter the new name for the file.   E RENAME
E RENAME
** E COPY FIL
E COPY FIL
E COPY FIL
    19.6.   COPY A FILE   E COPY FIL
               -----------   E COPY FIL
E COPY FIL
COPY FILE <file name> TO <new file name>   E COPY FIL
E COPY FIL
    This command will allow you to make a copy of a file. E COPY FIL
will be asked for the file you want to copy (see FILE SELE E COPY FIL
You will then be asked for the name of the file you want to cE COPY FIL
to.   E COPY FIL
E COPY FIL
** E ERASE
E ERASE
E ERASE
    19.7.   ERASE A FILE   E ERASE
               ------------   E ERASE
E ERASE
ERASE <file name>   E ERASE
E ERASE
    This command will allow you to erase a file. You will E ERASE

asked to enter the name of the file you want to erase (se
SELECTION).   Be careful.   Once a file is erased you canno
back unless you have a backup copy.

****

    19.8.   DISPLAY STRUCTURE

DISPLAY STRUCTURE [TO PRINT]
LIST STRUCTURE [TO PRINT]

    This command will display the fields in the current datab
If output to the printer or a file is turned on it will use LIST
STRUCTURE, otherwise it will use DISPLAY STRUCTURE

****

    19.9.   DISPLAY STATUS

DISPLAY STATUS [TO PRINT]
LIST STATUS [TO PRINT]

    This command will display the current status.   If output
the printer or a file is turned on it will use LIST STATUS
otherwise it will use DISPLAY STATUS

****

20.   SET COMMANDS

****

    20.1.   SET DRIVE

SET DEFAULT TO [<drive letter>]

    This command will specify what the current drive will be
the menu mode.   If you execute DOS commands they w
affected by this command.

****

E ERASE
E ERASE
E ERASE
E ERASE
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
E STRUCTUR
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S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET DRIV
S SET PATH

20.2.   SET PATH

SET PATH TO [<path>]

    This command will tell 1 on 1 = 3!! where to look for file
you specify if they are not in the current directory. To put i
more then one directory separate the directories by a semi
(';').   If you omit the path then 1 on 1 = 3!! will only look in
the current directory for files.

****

20.3.   SET DELETED

SET DELETED ON | OFF

    This command will determine whether records that are
for deletion will by used by other commands. When delete
commands that use a scope will ignore any records mar
deletions.   Commands that work just on the current record
specific record will ignore the deletion flag.   Index and rein
ignore the deletion flag.   RECALL ALL will not recall any re
if deleted is on.

    When deleted is off then the deletion flag has no effect.

****

20.4.   SET EXACT

SET EXACT ON | OFF

    When exact is on then matches have to be exact charac
character including size. This pertains to comparisons as w
the use of indexes.

    When exact is off matching is only done as long as one
matching entities still has non blank characters. Once one c
runs out of characters and there has been a match up to tha
then the match succeeds.

****

S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S SET PATH
S DELETED
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S EXACT
S EXACT
S EXACT
S EXACT
S UNIQUE

20.5.   SET UNIQUE

SET UNIQUE ON | OFF

    This command determines whether records with duplic
will be included in an index. With UNIQUE ON only the first
of duplicate records will be included in an index. With it off a
records in the database will be included in the index.

****

20.6.   SET CARRY

SET CARRY ON | OFF

    This command affects the append command. When it is
new record that is appended initially takes on the values o
previous record.

****

20.7.   SET BELL

SET BELL ON | OFF

    This command determines whether the bell will ring on
input when a field is filled or when invalid data is entered.

****

20.8.   SET CONFIRM

SET CONFIRM ON | OFF

    This command determines whether when a field is filled
data the cursor will automatically go to the next field. Wit
CONFIRM ON you will be required to use a cursor control k
end of input to a field even when you fill that field.

****

S FIXED
S FIXED

20.9.   SET FIXED   S FIXED

---------   S FIXED

S FIXED

SET FIXED ON | OFF   S FIXED

S FIXED

    This command will determine whether values will print w S FIXED
fixed number of decimal places as specified in the SET   S FIXED
command or will be variable based on the type of calculatior S FIXED
it set on the number specified in the SET DECIMAL TO co S FIXED
be used for the number of decimal places.   S FIXED

S FIXED

** S DECIMAL

S DECIMAL

S DECIMAL

20.10.   SET DECIMAL TO   S DECIMAL

--------------   S DECIMAL

S DECIMAL

SET DECIMAL TO <numeric expression>   S DECIMAL

S DECIMAL

    This command will determine the number of decimal pl S DECIMAL
print when the SET FIXED ON command is issued.   S DECIMAL

S DECIMAL

** S MARGIN

S MARGIN

S MARGIN

20.11.   SET MARGIN TO   S MARGIN

-------------   S MARGIN

S MARGIN

SET MARGIN TO <numeric expression>   S MARGIN

S MARGIN

    This command will determine the left hand margin used S MARGIN
output to the print devices.   S MARGIN

S MARGIN

** S MEMOWIDT

S MEMOWIDT

S MEMOWIDT

20.12.   SET MEMOWIDTH TO   S MEMOWIDT

----------------   S MEMOWIDT

S MEMOWIDT

SET MEMOWIDTH TO <numeric expression>   S MEMOWIDT

S MEMOWIDT

    This command will determine the width of the print out S MEMOWIDT
displaying and listing memo fields.   S MEMOWIDT

S MEMOWIDT

** S TYPEAHEA

S TYPEAHEA

S TYPEAHEA

20.13.   SET TYPEAHEAD TO   S TYPEAHEA
                ----------------   S TYPEAHEA
                                                     S TYPEAHEA
SET TYPEAHEAD TO <numeric expression>   S TYPEAHEA
                                                     S TYPEAHEA
    This command will determine the size of the type ahead I S TYPEAHEA
If you are continually getting a beep because you are typing S TYPEAHEA
fast, increase the size of this.   S TYPEAHEA
                                                     S TYPEAHEA
** S PRINTER
                                                     S PRINTER
                                                     S PRINTER
20.14.   SET PRINTER TO   S PRINTER
                 --------------   S PRINTER
                                                     S PRINTER
SET PRINTER TO <device> | <file name>   S PRINTER
                                                     S PRINTER
    This command allows you to specify where output to the S PRINTER
will go. Normally it goes to device PRN:. You can change t S PRINTER
go to another device such as LPT2:, CON1: CON2:. You ca S PRINTER
the printer output to go to a file.   S PRINTER
                                                     S PRINTER
                                                     S PRINTER
** X HELP
                                                     X HELP
                                                     X HELP
21.   QUITTING MENU MODE   X HELP
                 ------------------   X HELP
                                                     X HELP
** Q QUIT
                                                     Q QUIT
                                                     Q QUIT
21.1.   QUITTING MENU MODE   Q QUIT
                 ------------------   Q QUIT
                                                     Q QUIT
QUIT   Q QUIT
                                                     Q QUIT
    This command will return you to the opening menu.   All Q QUIT
will be closed.   Just going to the Quit menu is not enough. Q QUIT
must also choose Quit.   Q QUIT
                                                     Q QUIT
** Q REMAIN
                                                     Q REMAIN
                                                     Q REMAIN
21.2.   REMAIN IN MENU MODE   Q REMAIN
                 -------------------   Q REMAIN
                                                     Q REMAIN
                                                     Q REMAIN
    This command does absolutely nothing. The Quit comm Q REMAIN

so lonely here all by itself so I put in this command to keep Q REMAIN
company.   Q REMAIN
                                                               Q REMAIN
                                                               Q REMAIN
                                                               Q REMAIN
****

****

** X HELP
                                                                  X HELP
                                                                  X HELP
                    APPENDIX   X HELP
                    --------   X HELP
                                                                  X HELP
** X HELP
                                                                  X HELP
                                                                  X HELP
1.   ONE KEY COMMANDS   X HELP
                   ----------------   X HELP
                                                                  X HELP
   You may execute certain commands by pressing one key X HELP
                                                                  X HELP
   1.1. {F1}   This will place you in the Help Browse mod X HELP
           (see HELP).   X HELP
                                                                  X HELP
   1.2. {F2}   This will place you where you can redefine X HELP
           key to play back a number of keystrokes (see X HELP
           MACROS).   X HELP
                                                                  X HELP
   1.3. {F3}   This key is used to switch the information X HELP
           presented on the bottom of the screen (see O X HELP
           LINE HELP SCREENS).   X HELP
                                                                  X HELP
   1.4. {F4}   This key will allow you to search for a record X HELP
           in the current database based on a key (see X HELP
           SEEK under POSITION CHANGE).   X HELP
                                                                  X HELP
   1.5. {Home}   This key will move the record pointer to t X HELP
           beginning of the current database (see TOP X HELP
           under POSITION CHANGE).   X HELP

X HELP

1.6. {End}   This key will move the record pointer to th X HELP
               end of the current database (see BOTTOM un X HELP
               POSITION CHANGE).   X HELP

X HELP

1.7. {+}   This key will move the record pointer to the X HELP
               next record in the current database (see SKIP X HELP
               under POSITION CHANGE).   X HELP

X HELP

1.8. {-}   This key will move the record pointer to the X HELP
               previous record in the current database (see X HELP
               SKIP under POSITION CHANGE).   X HELP

X HELP

** X HELP

X HELP

X HELP

2.   CHANGING COLORS   X HELP
                      ---------------   X HELP

X HELP

    In order to change colors you must execute 1 on 1 = 3!! X HELP
the \3!! directory.   X HELP

X HELP

2.1.   OVERALL COLORS   X HELP
                     --------------   X HELP

X HELP

    On a computer with a color monitor the default colors X HELP
white letters with a black background.   When highlighting X HELP
default is the reverse of this. In order to change this you m X HELP
change the color specifications in a database called III_S   X HELP

X HELP

    Go into the Menu Mode. Under the Name Database co   X HELP
the database III_SYS.FOX. The III_SYS.FOX file will not a| X HELP
the list of databases because it does not end with the sta X HELP
extension '.DBF'.   You will have to type this file name in at X HELP
bottom of the screen.   X HELP

X HELP

    Then go to the Update Edit command.   You will see two X HELP
fields, COLOR_STAN for normal display and COLOR X HELP
highlighted display.   You   may change   these to   any c X HELP
combinations you desire.   After you change them do a {Ctrl X HELP
to save your changes.   X HELP

X HELP

    If under Administration in the opening menu you have c X HELP
for color, this will only effect the opening menu and co   X HELP
modes. If you have chosen M for monochrome these will X HELP
colors used everywhere including the Menu Mode.   X HELP

X HELP

    You must exit 1 on 1 = 3!! completely and then go back i X HELP
these color changes to take effect.   X HELP

Sheet1

X HELP
2.2.   COLORS IN THE MENU MODE   X HELP
              -----------------------   X HELP
X HELP
     In order to change the colors in the Menu Mode, go into X HELP
Menu Mode.   Make sure your are in the directory \3!!. Go X HELP
Picture and pick the file COLOR.PIC. Then go to the Upda X HELP
command.   You will see three fields. III_GROUP is the gro X HELP
III_COL1 is the standard color, and III_COL2 is the enhance X HELP
used for highlighting.   You can use the dBASE notation to X HELP
the colors for the different menu groups. Be careful, the p X HELP
does not check that these are legal dBASE notation.   X HELP
X HELP
     After making your changes, quit out of 1 on 1 = 3!! X HELP
completely. You should still be in the \3!! directory. Type in: X HELP
X HELP
COLOR{Enter}   X HELP
X HELP
     Only after you have done this will you new colors take eff X HELP
Now when you go back into 1 on 1 = 3!! you should have X HELP
colors.   X HELP
X HELP
*** X HELP
X HELP
X HELP
3.   EDITING INPUT   X HELP
                    -------------   X HELP
     Any place you have to type in information in 1 on 1 = 3!!, X HELP
can use special editing keys to help you input your informa X HELP
Below is a list of the editing keys and how they are used de X HELP
on what part of the 1 on 1 = 3!! program you are in. A X HELP
description you see next to 'Line' are rules that are always X HELP
effect. If there are further descriptions, then those descripti X HELP
pertain only to that section of 1 on 1 = 3!! mentioned and ar X HELP
addition to the description for 'Line'.   X HELP
X HELP
     'Com' is the abbreviation for 'Command Mode' and 'CDB X HELP
abbreviation for 'Create Database'.   X HELP
X HELP
{F1}   X HELP
   Com   Put you in the help mode.   X HELP
   CDB   X HELP
   Browse   X HELP
   Edit   X HELP
   Append   Toggle back and forth on the top of the sc X HELP
            between a help screen and full page editing.   X HELP
   Report   X HELP
   Label   Toggle back and forth on the top of the scre X HELP
            between the help screen and a list of the field   X HELP

Page 57

```
                names in  the current  database.   While the list of  X HELP
                fields is on the  screen you  can use  the following X HELP
                two edit keys:                                        X HELP
                                                                      X HELP
                {Ctrl {Right Arrow}}    Pan  the  field list to the   X HELP
                            right so you  can  see more               X HELP
                            field names.                              X HELP
                                                                      X HELP
                {Ctrl {Left Arrow}}     Pan  the  field list to the   X HELP
                            left so  you  can  see more               X HELP
                            field names.                              X HELP
                                                                      X HELP
{Right Arrow}                                                         X HELP
    Line      Move the  cursor to the right one character positi X HELP
            within a field.                                           X HELP
    CDB                                                               X HELP
    Browse                                                            X HELP
    Edit                                                              X HELP
    Append                                                            X HELP
    Report                                                            X HELP
    Label     If at the end of a field you will move  to the start X HELP
            of the next field.                                       X HELP
    Browse   If at  the end  of the last field on the screen, yo X HELP
            will move to the start  of  the  same  field  in the    X HELP
            record below.                                            X HELP
                                                                      X HELP
{Left Arrow}                                                          X HELP
    Line      Move the  cursor to  the left one character positio X HELP
            within a field.                                          X HELP
    CDB      If you are at the start of a field it  will move you  X HELP
            to the start of the previous field.  If at the start     X HELP
            of the field name field it will move to the start of     X HELP
            the previous field name field.                           X HELP
    Browse                                                            X HELP
    Edit                                                              X HELP
    Append    If you  are at the start of a field it will move you X HELP
            to the end of the previous field.                        X HELP
    Browse    If you are at the start  of the  first field  on the   X HELP
            screen you  will move to the start of the same field X HELP
            in the previous record.                                  X HELP
    Report                                                            X HELP
    Label     If you are at the start of a field it  will move you   X HELP
            to the start of the previous field.                      X HELP
                                                                      X HELP
{End}                                                                 X HELP
    Line      Move to  the start of the next word.  If on the last X HELP
            word move to end of the word.  If at the end  of the X HELP
            last word  in the  current field, move to the end of   X HELP
            the field.                                               X HELP
```

CDB   X HELP
Report   X HELP
Label   X HELP
Edit   X HELP
Append   If at the end of the field move to the start of th X HELP
          next field.   X HELP
                                                                         X HELP
{End}   X HELP
    Browse   Does not follow the rules for Line.   Move to t X HELP
              next field. If on the last field on the screen move   X HELP
              to the same field in the next record.   X HELP
                                                                         X HELP
{Home}   X HELP
    Line   Move backwards to the start of the current word. X HELP
              there is no more words in the current field, move tcX HELP
              the start of the field.   X HELP
    CDB   If at the start of the field, move to the start of   X HELP
              the previous field.   If at the start of the field   X HELP
              name field it will move to the start of the previous   X HELP
              field name field.   X HELP
    Edit   X HELP
    Label   If at the start of the field, move to the end of the X HELP
              previous field.   X HELP
    Report   X HELP
    Label   If at the start of the field, move to the start of   X HELP
              the previous field.   X HELP
                                                                         X HELP
{Home}   X HELP
    Browse   Does not follow the rules for Line.   Move to t X HELP
              start of the previous field. If at the first field   X HELP
              on the screen then move to the start of the sam X HELP
              field in the previous record.   X HELP
                                                                         X HELP
{Down Arrow}   X HELP
    Com   If you have used {Up Arrow} this will make the l X HELP
              command you passed the current command.   X HELP
    CDB   X HELP
    Report   X HELP
    Edit   X HELP
    Append   Move the cursor down and to the   next field a X HELP
              same cursor position. If the next field is smaller   X HELP
              then it will move to the end of the next field.   X HELP
    Browse   X HELP
    Report   X HELP
    Label   Move the cursor down and to the start of the fieX HELP
              underneath.   X HELP
                                                                         X HELP
{Up Arrow}   X HELP
    Com   The previous   command will   become the cuX HELP

```
        command.                                            X HELP
    CDB                                                     X HELP
    Browse                                                  X HELP
    Report                                                  X HELP
    Label    Move the  cursor up  and to  the start  of the field  X HELP
    above.                                                  X HELP
    Edit                                                    X HELP
    Append    Move the cursor up to the previous field at the X HELP
            cursor position.  If  the previous  field is smaller    X HELP
            then it will move to the end of the previous field.    X HELP
                                                            X HELP
{Page Down}                                                 X HELP
    CDB      Move to the end for input of a new field name.   X HELP
    Browse                                                  X HELP
    Report                                                  X HELP
    Label    Move to the next screen.                       X HELP
    Edit                                                    X HELP
    Append    Move to  the next  input screen.  If you are on X HELP
            last page of a record, move to the next record.   If  X HELP
            you are  on the  last page  of the  last record, you  X HELP
            will be returned to the main menu.               X HELP
                                                            X HELP
{Page Up}                                                   X HELP
    CDB      Move to the first field name.                  X HELP
    Browse                                                  X HELP
    Report                                                  X HELP
    Label    Move to the previous screen.                   X HELP
    Edit                                                    X HELP
    Append    Move to the previous screen.   If  you  are  on X HELP
            first screen  of a  record, move to the first screen   X HELP
            of the  previous record.  If  you are  on the first    X HELP
            record in the database, return to the main menu.    X HELP
                                                            X HELP
{Ins}                                                       X HELP
    Line      This  key  will  toggle  you  back  and  forth as to X HELP
            whether characters you type will over  write what is X HELP
            there or insert.                                X HELP
                                                            X HELP
{Back Space}   Delete the  character to  the left of the curso X HELP
            move there.  If at the  start   of a  field, move to    X HELP
            the start of the previous field.                X HELP
                                                            X HELP
{Del}        Delete the character above the cursor.         X HELP
                                                            X HELP
{Ctrl Y}      Delete  all  characters  starting   at  the  cursor   X HELP
            position and going to the end of the field.     X HELP
                                                            X HELP
{Enter}                                                     X HELP
    Line      Accept any input data and move  to the  start of t X HELP
```

next field. X HELP
CDB   On last line with a blank field name same as {C X HELP
   End} below. X HELP
Browse   If in the last field on the screen, move to the s X HELP
   field in the next record. If in the last record X HELP
   then ask if you want to add records. X HELP
    X HELP
{Ctrl U} X HELP
CDB   Delete the field at the current position. X HELP
Browse X HELP
Edit X HELP
Label   Mark a record for deletion. If the record is mark X HELP
   for deletion then unmark it. X HELP
    X HELP
Report   When on a report screen where you enter X HELP
   information this key will delete the current column. X HELP
Label   When on the label screen where you enter X HELP
   information goes on the label this key will delete X HELP
   the current line and move the lines below up on X HELP
   line. X HELP
    X HELP
{Ctrl N} X HELP
CDB   Insert a new field at the current position. X HELP
Report   On screen where you enter column informatio X HELP
   will insert a new column. X HELP
    X HELP
{Ctrl {Home}} X HELP
CDB   This key will present you with a menu. You X HELP
   choose items in the menu by moving the light ba X HELP
   with the {Right Arrow} and {Left Arrow} until the X HELP
   one you want is highlighted and then pressing th X HELP
   {Enter} key. You may also choose an item by typi X HELP
   it's first letter. The first three items allow you X HELP
   to move to different fields. Save will act like X HELP
   {Ctrl End} below. Abandon will act like {Esc} X HELP
   below. X HELP
Browse   You will be presented with a menu. See abo X HELP
   choosing items from this menu. One difference, y X HELP
   press N for fiNd. Bottom moves you to the end o X HELP
   the database. Top moves you to the start of the X HELP
   database. Record # asks what record you want to X HELP
   to. fiNd asks for the key to find and then X HELP
   positions you at that record if it finds one. Skip X HELP
   asks for the number of records to skip. Lock asks X HELP
   for the number of fields to lock. It then keeps X HELP
   that number of fields on the left side of the screen X HELP
   while you are panning (see bellow under {Ctrl {Righ X HELP
   Arrow}} and {Ctrl {Left Arrow}}. Freeze asks what X HELP
   field and then that becomes the only field you can X HELP

```
            access.                                           X HELP
      Report    You will  be presented with a menu.  See above X HELP
            CDB for choosing items from  the  menu.    The firs X HELP
            five items allow you to move to different screens in X HELP
            the Create Report Mode.  Append  puts you  after   X HELP
            last column  so you can append another column.    X HELP
            will save your report control file and return you to   X HELP
            the main  menu.   Quit will return you to where you X HELP
            were in the Create Report Mode.                  X HELP
      Label     You will be presented with a list of  standard lab X HELP
            sizes you can choose from.                       X HELP
                                                             X HELP
{Ctrl {Right Arrow}}                                         X HELP
   Browse    Pan fields right.                               X HELP
                                                             X HELP
{Ctrl {Left Arrow}}                                          X HELP
   Browse    Pan fields left.                                X HELP
                                                             X HELP
{Ctrl {End}}                                                 X HELP
   CDB      You will  be prompted  with 'Press ENTER to co X HELP
            Any other key to resume.'  If you press any  key bu X HELP
            {Enter  you  will  continue  in  the  editing of the    X HELP
            database control file.   If you  press {Enter}   the    X HELP
            control file  will be saved as it is.  If you are in     X HELP
            the Modify  Database as  much data  as possible f X HELP
            the old database will be saved. You will be returne X HELP
            to the main menu.                                X HELP
   Browse                                                    X HELP
   Report                                                    X HELP
   Label                                                     X HELP
   Edit                                                      X HELP
   Label     Save any changes and return you to the main m X HELP
                                                             X HELP
{Esc}                                                        X HELP
   Com      Erase the current line.                          X HELP
   CDB                                                       X HELP
   Report                                                    X HELP
   Label     This key will abandon the change  you have  jus X HELP
            in.   You will be prompted 'Are you sure you want t X HELP
            abandon the operation? (Y/N)'  If you put in 'N' you X HELP
            will be  returned to editing.  If you put in 'Y' any      X HELP
            changes  you  have  made  in  this  session  will be X HELP
            abandoned and you will return to the main menu.   X HELP
   Browse                                                    X HELP
   Edit                                                      X HELP
   Append    Abandon any changes to the current record an X HELP
            to the main menu.                                X HELP
                                                             X HELP
*******************************************************************  X FILE SEL
```

4.   FILE SELECTION

    For many of the commands you will be required to pro
file name.   After you select a command that requires a fil
you will be given a screen that looks like the one below.

ATTEND.DBF   CITY.DBF   CLASS.DBF   CLAS
COURSE.DBF   GETDIR.DBF   IONIPROG.DBF   I
OFFICE.DBF   SIGNUP.DBF   STUDENT.DBF   S

Please enter the database file name, UP arrow to select
_

    The screen will contain a list of files you can choose fr
that were located in the current directory. These files will
chosen based on which command you are executing.   In t
above we are doing something with a database such as na
creating one. Because it is a database all the files that end
'.DBF' will be listed.   Below is a listing of the different types
of files and their default extensions.

Database   .DBF
Format   .PRG
Filter   .FIL
Picture   .PIC
Report   .FRM
Label   .LBL
Macro   .MAC
Relation   .REL

    At any time, while the cursor is on the bottom line, and
file name is entered, you may hit the {Enter} key. This will
a blank file name. The result of this in most cases will be t
the previous file associated with this command will be cleare

X FILE SEL

You may choose a file by pressing the {Up Arrow} whil X FILE SEL
cursor is on the bottom line. This will highlight the first file X FILE SEL
in the top left hand corner of the screen.   X FILE SEL

X FILE SEL

You can move the light bar in the following ways: X FILE SEL

X FILE SEL

1.   {Home} will move you to the first file on the page.   X FILE SEL

X FILE SEL

2.   {End} will move you to the last file on the page.   X FILE SEL

X FILE SEL

3.   Pressing a letter will move you to the next file nam X FILE SEL
     that starts with that letter.   If that file name is on   X FILE SEL
     another page you will be positioned to that other page X FILE SEL

X FILE SEL

4.   {Up Arrow}, {Down Arrow}, {Right Arrow}, and {Left A X FILE SEL
     will move you in the corresponding direction.   X FILE SEL

X FILE SEL

5.   {Page Down} and {Page Up} will get you more file na X FILE SEL
     there are more then can fit on a page.   X FILE SEL

X FILE SEL

When the file you want is highlighted press the {Enter} k X FILE SEL
That file will selected.   X FILE SEL

X FILE SEL

If you have pressed the {Up Arrow} and then decide you X FILE SEL
want any of the files on the screen, just press the {ESC} X FILE SEL
This will move you back to the input line at the bottom of X FILE SEL
screen.   X FILE SEL

X FILE SEL

You may also choose a file by typing it's name at the cu X FILE SEL
when it is on the bottom line and then   hitting the {Enter} k X FILE SEL
If the file you want is not on the screen, this is the only way X FILE SEL
choose it. If the file you want to specify is in another directo X FILE SEL
or on another drive, you must put in the full path name. X FILE SEL
example a:\back\main.   X FILE SEL

X FILE SEL

If the cursor is any where on the bottom line and you p X FILE SEL
the {Esc} key, you will be returned to the menu and nothing \ X FILE SEL
changed. This is true even if you have entered a file name X FILE SEL
last line.   X FILE SEL

X FILE SEL

If the file you are selecting is one that should already exis X FILE SEL
and the file name you enter is not found you will be given an X FILE SEL
message and then put back on the last line of the screen.   X FILE SEL

X FILE SEL

If you are choosing a file name of a new file that will be X FILE SEL
created and a file with that name already exists, you will be X FILE SEL
a warning message and a chance to change your mind.   X FILE SEL

X FILE SEL

```
********************************************************************   X HELP
                                                                     X HELP
                                                                     X HELP
5.                    FIELD SELECTION                                 X HELP
                    ---------------                                   X HELP
                                                                     X HELP
     For many  of the  options you  will have to enter the name      X HELP
fields from your databases.  You  will get  a screen  like the       X HELP
below.                                                               X HELP
                                                                     X HELP
------------------------------------------------------------------   X HELP
COURSE_ID           STUD_ID              CLASS_NUM                    X HELP
DATE              TOOK               COMMENT                          X HELP
COST            PAID              STUDENT->ID                         X HELP
STUDENT->FN           STUDENT->MI          STUDENT                    X HELP
STUDENT->SAL            STUDENT->ADDR1          S                     X HELP
STUDENT->CITY          STUDENT->STATE          STUDE                  X HELP
STUDENT->PHONE          STUDENT->SEX                                  X HELP
                                                                     X HELP
                                                                     X HELP
                                                                     X HELP
                                                                     X HELP
Enter fields, up arrow to pick                                       X HELP
_                                                                    X HELP
------------------------------------------------------------------   X HELP
                                                                     X HELP
     You will need to choose fields in three different situations     X HELP
                                                                     X HELP
   1.  To create an expression (see EXPRESSIONS).                     X HELP
                                                                     X HELP
   2.  To create a condition (see CONDITIONS).                        X HELP
                                                                     X HELP
   3.  To create a list of field names.                              X HELP
                                                                     X HELP
     At any time while  the cursor  is on  the bottom  line and t     X HELP
line is  blank, you  may press the {Enter} key.  This will retur      X HELP
blank expression, condition or list.  If you are on the bottom l     X HELP
and you  press {Esc}  then you will also return a blank expre         X HELP
condition or list even if there was information on the line.         X HELP
                                                                     X HELP
     While the cursor is on the bottom line  you may  press th        X HELP
Arrow}.   This will cause one of the field names to be highlig        X HELP
In order to choose a field name you move the light bar to the        X HELP
you want and press {Enter}.                                           X HELP
                                                                     X HELP
     You may move the light bar in the following ways:                X HELP
                                                                     X HELP
   1.  {Home}  will  move  you  to  the  first field name on th       X HELP
       screen.                                                        X HELP
```

X HELP
2. {End} will move you to the last field name on the scre X HELP
X HELP
3. Pressing a letter will move you to the next field na X HELP
that starts with that letter. Even when a field name is X HELP
shown preceded by it's alias, the match will be on th X HELP
first letter of the field name.   X HELP
X HELP
4. {Up Arrow}, {Down Arrow}, {Right Arrow}, and {Left A X HELP
will move you in the corresponding direction.   X HELP
X HELP
5. {Page Down} and {Page Up} will get you more field X HELP
when they don't all fit on one screen.   X HELP
X HELP
    When you choose a field what happens next will depend X HELP
you are doing. If you are creating an expression or a cond X HELP
the field name will be entered on the end of the bottom line (X HELP
screen. The cursor will also be positioned on the bottom line X HELP
X HELP
    If you are choosing a field as part of the sort or replace X HELP
commands you will be returned after you choose one field.   X HELP
X HELP
    If you are creating a list of fields the field name you hav X HELP
chosen will again be entered on the bottom line.   If this is y X HELP
first selection it will be entered at the beginning of the line. X HELP
If it is not the first entry, a ',' will be placed after the last   X HELP
field name on the bottom line and then a space followed X HELP
field you have just chosen. The light bar will then be positi X HELP
on the next field on the top of the screen.   X HELP
X HELP
    At any time that the cursor is highlighting a field name, y X HELP
may press {Esc}.   This will move the cursor to the bottom X HELP
While you are on the bottom line you may type in any part (X HELP
expression, condition or list.   You do not have to select fie X HELP
names from the top of the screen. You can type them in.   X HELP
X HELP
    When you have finished, press the {Enter} key while the X HELP
is on the bottom line. This will pass what you have on the   X HELP
line to the command.   X HELP
X HELP
** X HELP
X HELP
X HELP
6.   CHOICES   X HELP
                 -------   X HELP
X HELP
    For some commands you will be allowed to set certain o X HELP
These options are listed bellow along with an explanation of X HELP
X HELP

```
******************************************************************  C EXECUTE
                                                                   C EXECUTE
                                                                   C EXECUTE
     6.1.              EXECUTE THE COMMAND              C EXECUTE
                    -------------------                 C EXECUTE
                                                                   C EXECUTE
     This option will cause the current command to be execut C EXECUTE
all the  current options.  Some  of the commands will need f C EXECUTE
information such  as Report  and Label  which will  ask for cc C EXECUTE
file names  while others  like List, Display and Count will exe C EXECUTE
right away.                                              C EXECUTE
                                                                   C EXECUTE
******************************************************************  C BUILD A
                                                                   C BUILD A
                                                                   C BUILD A
     6.2.              BUILD A FIELD LIST               C BUILD A
                    -------------------                 C BUILD A
                                                                   C BUILD A
     This option  will allow  you to  specify which  fields will be C BUILD A
used and  in what order they will appear (see FIELD SELEC C BUILD A
you do not specify a field list the default is all fields  from the C BUILD A
master database except Average and Sum which is all nume C BUILD A
This option has no effect on the Report, Label, Count, Repla C BUILD A
Locate commands.                                        C BUILD A
                                                                   C BUILD A
******************************************************************  C SPECIFY
                                                                   C SPECIFY
                                                                   C SPECIFY
     6.3.              SPECIFY WHICH RECORDS            C SPECIFY
                    ---------------------               C SPECIFY
                                                                   C SPECIFY
     This option  will allow  you to  specify which  records can C SPECIFY
used with the current command.   It is  only specifying  whic C SPECIFY
can be used, the ones actually selected can only be taken fr C SPECIFY
group but will be further screened  by  the  other  options.   C SPECIFY
these  records  the  ones  actually  used will be determined  C SPECIFY
filter set, the selection rules and the 'DO WHILE' rules.     C SPECIFY
                                                                   C SPECIFY
     If you pick this option you will be given a choice of:    C SPECIFY
                                                                   C SPECIFY
     1.   All.  This means all records in the database.        C SPECIFY
                                                                   C SPECIFY
     2.   Rest.  The rest of the records in  the database includi C SPECIFY
          the current record.                            C SPECIFY
                                                                   C SPECIFY
     3.   Next.   You will  get to  specify how many records.  Tr C SPECIFY
          will include the current record.               C SPECIFY
                                                                   C SPECIFY
     4.   Record.   You will  specify a  specific record.   This is C SPECIFY
```

based on record number.   C SPECIFY

                                                           C SPECIFY

*** C SET SELE

                                                           C SET SELE

                                                           C SET SELE

    6.4.   SET SELECTION RULES   C SET SELE

                    -------------------   C SET SELE

                                                           C SET SELE

    This option will allow you to specify logical rules for   C SET SELE

selecting which records will be used (see CONDITIONS). Y C SET SELE

put in the Field Selection Mode (see FIELD SELECTION). C SET SELE

will enter the conditions you want evaluated in selecting rec C SET SELE

When the current command is executed the conditions you C SET SELE

will be evaluated for each record. Those that evaluate to be C SET SELE

will be used, those that evaluate to false will not be used.   C SET SELE

                                                           C SET SELE

*** C SET 'DO

                                                           C SET 'DO

                                                           C SET 'DO

    6.5.   SET 'DO WHILE' RULES   C SET 'DO

                    --------------------   C SET 'DO

                                                           C SET 'DO

This option will allow you to specify logical rules which will C SET 'DO

used to determine when to stop selecting records (see CO C SET 'DO

You will be place in the Field Selection Mode   (see F C SET 'DO

SELECTION). Here you will enter the conditions you want   C SET 'DO

the current command is executed the first record will be test C SET 'DO

see if it passes this logical test. If it doesn't then no more C SET 'DO

records will be selected.   If it does the next record will be C SET 'DO

tested and so on. As soon as one record fails the test proc C SET 'DO

will stop.   C SET 'DO

                                                           C SET 'DO

*** C CLEAR

                                                           C CLEAR

                                                           C CLEAR

    6.6.   CLEAR   C CLEAR

                      -----   C CLEAR

                                                           C CLEAR

    This option will clear out any settings for field list,   C CLEAR

records specified, selection rules and 'DO WHILE' rules tha C CLEAR

been set. This option will not affect filters.   C CLEAR

                                                           C CLEAR

*** X HELP

                                                           X HELP

                                                           X HELP

    6.7.   HOW RECORDS ARE SELECTED   X HELP

                    ------------------------   X HELP

                                                           X HELP

    The first thing that affects which records are selected is i X HELP

a filter is in effect. If a filter is in effect then the other   X HELP
commands and options will act as if the database was onl X HELP
of records that pass the filter's test.   The next deciding fact X HELP
is the records you specify can be selected.   If for example X HELP
specify the next 5 records, this will mean the next five reco X HELP
that pass the filters test.   Next is the 'DO WHILE' test. Thi X HELP
will only go through records specified and that pass the filt X HELP
test.   Once a record fails the 'DO WHILE' test processing s X HELP
The last factor is the selection rules.   Those records that p X HELP
all the other rules must also past the selection rules to b X HELP
selected.   X HELP
                                                                   X HELP
                                                                   X HELP
** COMMAND MO
                                                                    COMMAND MO
                                                                    COMMAND MO
7.   COMMAND MODE   COMMAND MO
                    ------------   COMMAND MO
                                                                    COMMAND MO
     You are now in the command mode of 1 on 1 = 3!!.   COMMAND MO
enter most of the dBASE III commands. Below is the syn COMMAND MO
those commands as well as notes on those commands COMMAND MO
differently under 1 on 1 = 3!! or are additions to the dBASE COMMAND MO
command set.   COMMAND MO
                                                                    COMMAND MO
** X HELP
                                                                   X HELP
                                                                   X HELP
   7.1.   CONVENTIONS USED IN dBASE SYNTAX   X HELP
             --------------------------------   X HELP
                                                                   X HELP
     Where we show the syntax of dBASE type commands a X HELP
the conventions used in doing this are: X HELP
                                                                   X HELP
   Words that are capitalized must be entered just as you X HELP
   them.   X HELP
                                                                   X HELP
   Anything enclosed in [] is optional.   X HELP
                                                                   X HELP
   Where you see '....' it means the previous item can X HELP
   repeated.   X HELP
                                                                   X HELP
   Descriptions that are between <> and are in lower case X HELP
   you put in that location what is described.   You do no X HELP
   include the <>. Most items are self explanatory. Any p X HELP
   you see the word 'file' this could be just a file name all the X HELP
   way up to the full path name including the drive designa X HELP
   Example C:\MAIN\REPORT\ABC.DBF. Some of the one X HELP
   self explanatory follow: X HELP

```
                                                    X HELP
*******************************************************************  X HELP
                                                    X HELP
                                                    X HELP
      7.1.1.          <field list>                  X HELP
                ------------                         X HELP
                                                    X HELP
      A field  list is  a list of field names from databases.  Thes  X HELP
  names are separated by a comma and a  space.   A single  1X HELP
  can be  a field  list.  Examples: SALARY  this is a field list m  X HELP
  up of just one field name.  NAME,  ADDRESS, PHONE,  AGX HELP
  field  list  made  up  of  four  field  names.   NAME, ADD   X HELP
  STATE->NAME.  This is a filed  list made  up of  three field   X HELP
  The third  field, NAME  comes from  a related  database that X HELP
  alias of STATE.  An alias is a secondary name that is assignX HELP
  active database that can be used to identify that database.   X HELP
                                                    X HELP
*******************************************************************  X HELP
                                                    X HELP
                                                    X HELP
      7.1.2.          <memory variable>             X HELP
                -----------------                   X HELP
                                                    X HELP
      A memory  variable is  a named place in memory where   X HELP
  information is stored.                            X HELP
                                                    X HELP
*******************************************************************  X HELP
                                                    X HELP
                                                    X HELP
      7.1.3.        <memory variable list>          X HELP
                ----------------------              X HELP
                                                    X HELP
      A memory variable list is one memory variable  or a  num X HELP
  memory variables separated by a comma and a space.      X HELP
                                                    X HELP
*******************************************************************  X HELP
                                                    X HELP
                                                    X HELP
      7.1.4.         <index file list>              X HELP
                -----------------                   X HELP
                                                    X HELP
      An index  file list  is either  one or  a number of index file  X HELP
  names separated by a comma and a space.          X HELP
                                                    X HELP
*******************************************************************  X HELP
                                                    X HELP
                                                    X HELP
      7.1.5.        <index expression>              X HELP
                ------------------                  X HELP
```

An index expression is the expression that is used in crea
an index file. This expression determines the order the file
be accessed when using that index. It is also the expressio
is used in doing a look up in an indexed file. Example
LAST_NAME, STATE+CITY, RECORD_ID.

****

     7.1.6.   <expressions>

An expression can be as simple as a single field, or v
complex with many fields and functions. If it is more the
field the main rule to follow is that all the parts have to be
converted to the same type of data before you can combi
You cannot mix numbers, dates and character expressions.
need this type of expression, convert your numbers to cha
strings using the STR() function.   Convert your date to char
strings using the CTOD() function.   Examples: SAL
SALARY*1.05;   NAME+STR(SALARY,6,0)+DTOC(BIRTH).

****

     7.1.7.   <expression list>

An expression list is one expression   or a   number
expressions separated by a comma and a space. Exa
This is an expression list that is made up of one field.
TRIM(FN)+' '+TRIM(LN)', ADDRESS, CITY, SALARY*1.05
made up of four expressions.

****

     7.1.8.   <numeric expression>

A numeric expression is an expression that when it
evaluated results in a number.

****

     7.1.9.   <conditions>

X HELP
X HELP
X HELP
X HELP
X HELP
X HELP
X HELP
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X HELP
X HELP
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X HELP

A condition in 1 on 1 = 3!! is a special type of expressio
that when evaluated is either true or false.   A condition is
up of field names, constants, functions and operators. A co
can be a number such as 45, a character string such as 'Jo
.T., or .F..   The last two constants would be used by thems
If you put in .T. then the condition would be evaluated as t
If you put in .F. then the condition would be evaluated as fa
A function is any of the 1 on 1 = 3!! dBASE III type functions

     The different operators are listed bellow:

   Logical
      .NOT.   logical negative
      .AND.   logical and
      .OR.   logical or

    Arithmetic
      ()   parentheses
      **,^   exponenciation
      *,/   multiplication, division
      +,-   addition, subtraction

    Relational
      <   less than
      >   greater than
      =   equal
      <>,#   not equal
      <=   less than or equal
      >=   greater than or equal
      $ substring comparison

   String
      +   concatenation
      -         trailing blanks first string are moved to end
            of second string

Examples:
      .T. Always true

      SEX = "M' Sex equals male

      SALARY * 1.05 > 40000   Salary times 1.05 greater
$40,000

      SEX = 'F' .AND. SALARY >= 50000   Sex equal fem
      salary greater then or equal $50,000

      SEX = 'M' .OR. SALARY <= 40000 All males and any

with a salary less then or equal $40,000.   X HELP
                                             X HELP
                                             X HELP
                                             X HELP
*** X HELP
                                             X HELP
                                             X HELP
     7.1.10.   <mask>   X HELP
                 ------   X HELP
                                             X HELP
     Masks are used for two things in 1 on 1 = 3!!.   One is X HELP
identify a group of files and the other is to identify a group (X HELP
memory variables. In both cases the asterisk '*', is used to X HELP
any number of characters and the question mark is used to X HELP
character. Examples in file matching are: *.dbf will matc X HELP
file that has an extension of '.dbf'. a*.fox will match an file X HELP
that starts with the letter 'a' and has an extension '.fox'. Thi X HELP
includes the file 'a.fox'. abc?.dbf This mask will match any f X HELP
that starts with 'abc', is followed by any one character and h X HELP
extension of '.dbf'. This will include 'abc.dbf'.   X HELP
                                             X HELP
     Matching memory variables works the same way except X HELP
no extensions. a* will match all memory variables that start X HELP
'a'.   a?? will match all memory variables that start with 'a' a X HELP
have no, one or two letters following it.   X HELP
                                             X HELP
*** X HELP
                                             X HELP
                                             X HELP
     7.1.11.   <scope>   X HELP
                 -------   X HELP
                                             X HELP
     Scope indicates for the current active database which re X HELP
to use in executing the command. The choices are ALL X HELP
records, NEXT n for the next n records including the curren X HELP
RECORD n for a specific record number, and REST for the i X HELP
records in the database starting with the current record.   X HELP
                                             X HELP
*** X HELP
                                             X HELP
                                             X HELP
     7.2.   PROGRAMMING LIMITATIONS   X HELP
                 -----------------------   X HELP
                                             X HELP
     Besides any limitations noted below under each indivi X HELP
command, there is a limit to the number of total lines of cod X HELP
can have active at one time.   1 on 1 = 3!! treats everythin X HELP
part of a procedure. It loads each routine as they are name X HELP
commands and keeps them all memory.   The default limit X HELP

lines of actual code. We were able to run a program this la X HELP
our 512K Compaq.   This does not mean you will be able X HELP
depends on how much memory your programs uses. If you X HELP
character fields or create large arrays, your limit will be less. X HELP
X HELP

    If you have success at this limit, you can try raising it by X HELP
changing the   value for the field MAX_CODE in the da X HELP
III_SYS.FOX. X HELP
X HELP

    Do not use work areas 9 and ten, we use them. X HELP
X HELP

    Do not start any of your variables with 'I_', 'II_' or 'III_'. X HELP
Again we have used those names. X HELP
X HELP

** X HELP
X HELP
X HELP

    7.3.   COMMAND LIST X HELP
               ------------ X HELP
X HELP

?[?] [<expression> [,<expression>,....] X HELP
X HELP

@ <coordinates> [SAY <expression>[PICTURE <format>] X HELP
[GET <variable> [PICTURE <format>] X HELP
[RANGE <numeric expression>, <numeric expression>] X HELP
[VALID <condition>]]] X HELP
X HELP

    The valid clause is an addition to standard dBASE. Yo X HELP
    allowed to specify a condition that will evaluate the input X HELP
    If that condition ends up true you proceed to the next step X HELP
    the program. If the condition comes up false you will X HELP
    returned to the start of the field. If Bell is set on then it X HELP
    will ring. This will continue until the condition is true. X HELP
X HELP

    If no entry is made to the variable then the condition will X HELP
    not be checked. X HELP
X HELP

@ <coordinates> [CLEAR] TO <coordinates> [DOUBLE] X HELP
X HELP

@ <coordinates> PROMPT <character expression> X HELP
[MESSAGE <character expression>] X HELP
X HELP

    This is an extension to dBASE that allows light bar me X HELP
    The prompts will be placed on the screen at their desig X HELP
    coordinates.   A   MENU TO <memory variable> will activ X HELP
    light bar menu. The user can choose items from the m X HELP
    using the cursor to move the light bar to his choice and X HELP
    hitting {Enter} or he can press the first letter of the X HELP
    corresponding prompt.   As the user moves the light ba X HELP

corresponding message will be displayed depending o   X HELP
MESSAGE TO is set.   When the user makes a selec X HELP
relative number of that selection is passed to the me   X HELP
variable.   If the user hits an {Esc} a zero is passed to th X HELP
memory variable.   X HELP
                                                             X HELP
@ <coordinates>, <coordinates> BOX <character expressio X HELP
                                                             X HELP
Extension to dBASE. This command will create a box us X HELP
character expression.   X HELP
                                                             X HELP
ACCEPT <character expression> TO <memory variable>   X HELP
                                                             X HELP
APPEND [BLANK]   X HELP
                                                             X HELP
APPEND FROM <file> [FIELDS <field list> [FOR <condition: X HELP
[TYPE <file type>]   X HELP
                                                             X HELP
AVERAGE [<scope>] [<expression list>] [WHILE <condition: X HELP
[FOR <condition>] [TO <memory variable list>]   X HELP
                                                             X HELP
BROWSE [FIELDS <field list>] [LOCK <numeric expression: X HELP
[FREEZE <field name>] [NOFOLLOW] [NOMENU] [NOAPP X HELP
[NOMODIFY] [WIDTH <numeric expression>]   X HELP
                                                             X HELP
The NOMODIFY option is an addition to standard dBA X HELP
allows you to give access to the browse mode withou X HELP
ability to update.   X HELP
                                                             X HELP
CALL <file> [WITH <character expression>]   X HELP
                                                             X HELP
CALL <file> [WITH <memory variable>]   X HELP
                                                             X HELP
CANCEL   X HELP
                                                             X HELP
CHANGE [<scope>] [FIELDS <fields list>] [FOR <condition> X HELP
[WHILE <condition>]   X HELP
                                                             X HELP
CLEAR   X HELP
                                                             X HELP
* CLEAR ALL   X HELP
                                                             X HELP
Try not to use this one.   We are sharing the same work X HELP
(remember 1 on 1 = 3!! was written in FoxBASE+.   You X HELP
wipe out some thing the program needs to keep processi X HELP
                                                             X HELP
CLEAR FIELDS   X HELP
                                                             X HELP
CLEAR GETS   X HELP

	X HELP
* CLEAR MEMORY	X HELP
	X HELP
Same as CLEAR ALL.	X HELP
	X HELP
CLEAR TYPEAHEAD	X HELP
	X HELP
* CLOSE ALL	X HELP
	X HELP
This will be changed to CLOSE ALL DATABASES, SE	X HELP
	X HELP
CLOSE ALTERNATIVE	X HELP
	X HELP
CLOSE DATABASES	X HELP
	X HELP
CLOSE FORMAT	X HELP
	X HELP
CLOSE INDEX	X HELP
	X HELP
* CLOSE PROCEDURE	X HELP
	X HELP
PROCEDURES are not supported. Do not use this com	X HELP
	X HELP
CONTINUE	X HELP
	X HELP
COPY FILE <file name> TO <new file name>	X HELP
	X HELP
COPY STRUCTURE TO <database file name> [FIELDS <fie	X HELP
	X HELP
COPY TO <database file name> [<scope>] [FIELDS <fields	X HELP
[FOR <condition> [WHILE <condition>] [TYPE <file type>]	X HELP
	X HELP
You may include fields from related files.	X HELP
	X HELP
COPY TO <database file name> STRUCTURE EXTENDED	X HELP
	X HELP
COUNT [<scope>] [WHILE <condition>] [FOR <condition>]	X HELP
[TO <memory variable>]	X HELP
	X HELP
CREATE <database file name>	X HELP
	X HELP
CREATE <database file name> FROM	X HELP
<structure extended database file name>	X HELP
	X HELP
CREATE LABEL <label file name>	X HELP
	X HELP
CREATE REPORT <report file name>	X HELP
	X HELP
DELETE [<scope>] [FOR <condition>] [WHILE <condition>]	X HELP

X HELP

DELETE FILE <file name>   X HELP

X HELP

DIMENSION <memory variable>(<numeric expression>   X HELP
[,<numeric expression>)....,   X HELP

X HELP

This is an extension to dBASE. You may have single or X HELP
dimension arrays. Each element of an array can be   X HELP
different type of data.   You may initialize a whole array i X HELP
one statement. Example: X HELP

X HELP

DIMENSION SALES(10)   X HELP
SALES = 0   X HELP

X HELP

Extensive use of arrays will limit the number of lines o X HELP
program code since they both share memory.   X HELP

X HELP

DIR [<drive:][<path>][<mask>] TO PRINT   X HELP

X HELP

DISPLAY [OFF] [<scope>] [<expression list>] [WHILE <cond X HELP
[FOR <condition>] [TO PRINT]   X HELP

X HELP

DISPLAY FILES [ON <directory>][LIKE <mask>] [TO PRINT X HELP

X HELP

* DISPLAY HISTORY [LAST <numeric expression>] [TO PR X HELP

X HELP

Not implemented.   X HELP

X HELP

* DISPLAY MEMORY [TO PRINT]   X HELP

X HELP

You will get all our memory variables also.   X HELP

X HELP

DISPLAY STATUS [TO PRINT]   X HELP

X HELP

DISPLAY STRUCTURE [TO PRINT]   X HELP

X HELP

DO <program file name>   X HELP

X HELP

No passing of arguments to subroutines. [WITH <pa X HELP
list>] is not supported.   X HELP

X HELP

DO CASE ... [OTHERWISE]...ENDCASE   X HELP

X HELP

DO WHILE <condition>...[LOOP]....[EXIT]...ENDDO   X HELP

X HELP

EDIT [<scope>] [FIELDS <field list>] [FOR <condition>] X HELP
<condition>]   X HELP

X HELP

Extension to dBASE. You may edit related databases al X HELP

the main database.   X HELP
                                                            X HELP
EJECT   X HELP
                                                            X HELP
ERASE <file name>   X HELP
                                                            X HELP
EXIT   X HELP
                                                            X HELP
FIND <character string> | <number>   X HELP
                                                            X HELP
GATHER FROM <array> [FIELDS <fields list>]   X HELP
                                                            X HELP
   This is an extension to dBASE.   Data contained in the a X HELP
   are transferred to the fields in the current database. Arr X HELP
   location 1 goes into field one and so on.   Memo fields X HELP
   ignored.   X HELP
                                                            X HELP
GOTO <numeric expression>   X HELP
                                                            X HELP
GOTO BOTTOM   X HELP
                                                            X HELP
GOTO TOP   X HELP
                                                            X HELP
IF <condition>....[ELSE]....ENDIF   X HELP
                                                            X HELP
INDEX ON <index expression> TO <index file name> [UNIQ X HELP
                                                            X HELP
INPUT <character expression> TO <memory variable>   X HELP
                                                            X HELP
INSERT [BEFORE] [BLANK]   X HELP
                                                            X HELP
JOIN WITH <alias> TO <database file name> FOR <conditi X HELP
[FIELDS <field list>]   X HELP
                                                            X HELP
KEYBOARD <character expression>   X HELP
                                                            X HELP
   This is an extension to dBASE.   It allows you to pu X HELP
   keystrokes into the keyboard buffer.   This could be use X HELP
   create a demo or as I used it to give the ability to create X HELP
   keyboard macros in the Menu Mode.   X HELP
                                                            X HELP
LABEL FORM <label file name> [<scope>] [SAMPLE] [WHIL X HELP
[FOR <condition>] [TO PRINT] [TO FILE <output file name> X HELP
                                                            X HELP
LIST [OFF] [<scope>] [expression list] [WHILE <condition>] X HELP
[FOR <condition>] [TO PRINT]   X HELP
                                                            X HELP
LIST FILES [ON <directory>][LIKE <mask>] [TO PRINT]   X HELP
                                                            X HELP

* LIST HISTORY [LAST <numeric expression>] [TO PRINT] X HELP
                                                                             X HELP

   Not implemented.   X HELP
                                                                             X HELP

* LIST MEMORY [TO PRINT]   X HELP
                                                                          X HELP

   Same as display memory.   X HELP
                                                                             X HELP

LIST STATUS [TO PRINT]   X HELP
                                                                           X HELP

LIST STRUCTURE [TO PRINT]   X HELP
                                                                            X HELP

LOAD <file name>   X HELP
                                                                     X HELP

LOCATE [<scope>] [FOR <condition>] [WHILE <condition>] X HELP
                                                                             X HELP

LOOP   X HELP
                                                                             X HELP

MENU TO <memory variable>   X HELP
                                                                            X HELP

   Extension to dBASE. This is one of the three commands X HELP
   implement light bar menus.   This command activates X HELP
   previous @ ... PROMPTS and accepts the users choice X HELP
   light bar menu. What will be returned in the memory var X HELP
   is the number of the item that the user selected or 0 if t X HELP
   user pressed {Esc}.   SET MESSAGE TO will determine X HELP
   addition messages will be printed.   X HELP
                                                                              X HELP

MODIFY COMMAND <program file name>   X HELP
                                                                           X HELP

   You will be allowed up to 64k in file size. '.prg' is assume X HELP
   for the extension.   If there is a '.fox' file it will be   X HELP
   deleted.   X HELP
                                                                              X HELP

MODIFY FILE <file name>   X HELP
                                                                            X HELP

   You will be allowed up to 64k in file size.   X HELP
                                                                           X HELP

MODIFY LABEL <label file name>   X HELP
                                                                           X HELP

MODIFY REPORT <report file name>   X HELP
                                                                           X HELP

MODIFY STRUCTURE   X HELP
                                                                           X HELP

NOTE | *   X HELP
                                                                               X HELP

* ON ERROR <command>   X HELP
                                                                            X HELP

   Not implemented.   X HELP

```
                                                     X HELP
* ON ESCAPE <command>                                X HELP
                                                     X HELP
    Not implemented.                                 X HELP
                                                     X HELP
* ON KEY <command>                                   X HELP
                                                     X HELP
    Not implemented.                                 X HELP
                                                     X HELP
PACK                                                 X HELP
                                                     X HELP
PARAMETERS <parameter list>                          X HELP
                                                     X HELP
    Not implemented.                                 X HELP
                                                     X HELP
PRIVATE <memory variable list>                       X HELP
                                                     X HELP
* PROCEDURE <procedure name>                         X HELP
                                                     X HELP
    Not implemented.                                 X HELP
                                                     X HELP
PUBLIC <memory variable list>                        X HELP
                                                     X HELP
    Extension to dBASE.  This can contain single and d X HELP
    dimensioned memory variables.                    X HELP
                                                     X HELP
QUIT                                                 X HELP
                                                     X HELP
READ [SAVE]                                          X HELP
                                                     X HELP
RECALL [<scope>] [FOR <condition>] [WHILE <condition>] X HELP
                                                     X HELP
REINDEX                                              X HELP
                                                     X HELP
* RELEASE ALL [LIKE|EXCEPT <mask>]                   X HELP
                                                     X HELP
    Do not use.                                      X HELP
                                                     X HELP
RELEASE [MODULE <file name>]                         X HELP
                                                     X HELP
RENAME <old file name> TO <new file name>            X HELP
                                                     X HELP
REPLACE <field name> WITH <expression>[, <field name> X HELP
WITH <expression>...] [<scope>] [FOR <condition>]    X HELP
[WHILE <condition>]                                  X HELP
                                                     X HELP
REPORT FORM <report file name> [<scope>] [WHILE <con X HELP
[FOR <condition>] [PLAIN] [HEADING <heading expression X HELP
[TO PRINT] [TO FILE <output file name>] [SUMMARY]    X HELP
```

```
                                                      X HELP
* RESTORE FROM <memory file name> [ADDITIVE]          X HELP
                                                      X HELP
    You must use ADDITIVE.                            X HELP
                                                      X HELP
RESTORE SCREEN [FROM <memory variable>]               X HELP
                                                      X HELP
    Extension to  dBASE.  Allow restoring a screen saved w X HELP
    SCREEN TO <memory variable>.                      X HELP
                                                      X HELP
RESUME                                                X HELP
                                                      X HELP
* RETRY                                               X HELP
                                                      X HELP
    Not implemented.                                  X HELP
                                                      X HELP
RETURN [TO MASTER]                                    X HELP
                                                      X HELP
RUN <DOS command>                                     X HELP
                                                      X HELP
SAVE SCREEN [TO <memory variable name>]               X HELP
                                                      X HELP
    Extension to dBASE.  Saves current screen in  memory vX HELP
    See RESTORE SCREEN FROM <memory variable>         X HELP
                                                      X HELP
* SAVE TO <memory file name> [ALL LIKE|EXCEPT <maskX HELP
                                                      X HELP
    Watch out you don't get to many of my variables.  X HELP
                                                      X HELP
SCATTER [FIELDS <field list>] TO <array>              X HELP
                                                      X HELP
    Extension  to  dBASE.    Move  values  from  fields in cur X HELP
    database into an array.  The first field  goes into  the first X HELP
    element of the array and so on.  Memo fields are ignored X HELP
                                                      X HELP
SEEK <expression>                                     X HELP
                                                      X HELP
SELECT <numeric expression>|<alias>                   X HELP
                                                      X HELP
    Extension to  dBASE.   SELECT 0 will return lowest unu X HELP
    area.                                             X HELP
                                                      X HELP
SET ALTERNATE ON|OFF*                                 X HELP
                                                      X HELP
SET ALTERNATE TO <output file name>                   X HELP
                                                      X HELP
SET BELL ON|OFF*                                      X HELP
                                                      X HELP
SET CARRY [ON|OFF*]                                   X HELP
```

	X HELP
SET CENTURY ON|OFF*	X HELP
	X HELP
SET CLEAR ON*|OFF	X HELP
	X HELP
SET COLOR ON*|OFF	X HELP
	X HELP
SET COLOR TO [<standard>[,<enhanced>[,<border>]]]	X HELP
	X HELP
SET CONFIRM ON*|OFF	X HELP
	X HELP
SET CONSOLE ON*|OFF	X HELP
	X HELP
SET DATE <date type>	X HELP
	X HELP
* SET DEBUG ON|OFF*	X HELP
	X HELP
Not implemented.	X HELP
	X HELP
SET DECIMALS TO <numeric expression>	X HELP
	X HELP
SET DEFAULT TO [<drive>]	X HELP
	X HELP
SET DELETED ON|OFF*	X HELP
	X HELP
SET DELIMITERS ON|OFF*	X HELP
	X HELP
SET DELIMITERS TO <character expression>|DEFAULT	X HELP
	X HELP
SET DEVICE TO PRINT	X HELP
	X HELP
SET DEVICE TO SCREEN	X HELP
	X HELP
* SET DOHISTORY ON|OFF*	X HELP
	X HELP
Not implemented	X HELP
	X HELP
SET ECHO ON|OFF*	X HELP
	X HELP
SET ESCAPE ON*|OFF	X HELP
	X HELP
SET EXACT ON|OFF*	X HELP
	X HELP
SET FIELDS ON|OFF*	X HELP
	X HELP
SET FIELDS TO [<field list>|ALL]	X HELP
	X HELP
SET FILTER TO [<condition>]	X HELP
	X HELP

SET FIXED ON|OFF*   X HELP
                                                                     X HELP
SET FORMAT TO [<format file name>]   X HELP
                                                                     X HELP
SET FUNCTION <character expression> to <character strin X HELP
                                                                     X HELP
SET HEADING ON*|OFF   X HELP
                                                                     X HELP
* SET HISTORY ON*|OFF   X HELP
                                                                     X HELP
    Always on.   X HELP
                                                                     X HELP
* SET HISTORY TO <numeric expression>   X HELP
                                                                     X HELP
    Always 50.   X HELP
                                                                     X HELP
SET INDEX TO [<index file list>]   X HELP
                                                                     X HELP
SET INTENSITY ON*|OFF   X HELP
                                                                     X HELP
SET MARGIN TO <numeric expression>   X HELP
                                                                     X HELP
SET MEMOWIDTH TO <numeric expression>   X HELP
                                                                     X HELP
SET MENU ON*|OFF   X HELP
                                                                     X HELP
SET MESSAGE TO [<character expression>|<numeric expr X HELP
                                                                     X HELP
    When used with a numeric expression it is part of the li X HELP
    bar coding.   The numeric expression determines the X HELP
    messages will be printed on. If set to 0 then messages X HELP
    not be printed.   X HELP
                                                                     X HELP
SET ORDER TO <numeric expression>   X HELP
                                                                     X HELP
SET PATH TO [<path list>]   X HELP
                                                                     X HELP
SET PRINT ON|OFF*   X HELP
                                                                     X HELP
SET PRINTER TO <device>|<file>   X HELP
                                                                     X HELP
* SET PROCEDURE TO [<procedure file name>]   X HELP
                                                                     X HELP
    Not implemented.   X HELP
                                                                     X HELP
SET RELATION TO [<expression>|RECNO()|<numeric expr X HELP
INTO <alias> [ADDITIVE]   X HELP
                                                                     X HELP
    The ADDITIVE allows you to set more then on relation f X HELP

same database.   This is an extension to dBASE which X HELP
only one relation to a database.   X HELP
                                                          X HELP
SET SAFETY ON|OFF*   X HELP
                                                          X HELP
SET SCOREBOARD ON|OFF*   X HELP
                                                          X HELP
SET STEP ON|OFF*   X HELP
                                                          X HELP
SET TALK ON|OFF*   X HELP
                                                          X HELP
SET TYPEAHEAD TO <numeric expression>   X HELP
                                                          X HELP
SET UNIQUE ON|OFF*   X HELP
                                                          X HELP
SKIP <numeric expression>   X HELP
                                                          X HELP
SORT TO <database file name> ON <field name> [|A][|C][|D X HELP
[<field name> [|A][|C][|D]...] [<scope>][For <condition>] X HELP
[WHILE <condition>][FIELDS <field list>]   X HELP
                                                          X HELP
    You may specify fields from related files.   X HELP
                                                          X HELP
STORE <expression> TO <memory variable>| X HELP
<memory variable> = <expression>   X HELP
                                                          X HELP
SUM [<scope>] [expression list] [WHILE <condition>]   X HELP
[FOR <condition>] [TO <memory variable list>]   X HELP
                                                          X HELP
SUSPEND   X HELP
                                                          X HELP
TEXT ... ENDTEXT   X HELP
                                                          X HELP
TOTAL TO <database file name> ON <key> [<scope>] [F   X HELP
list>] [FOR <condition>] [WHILE <condition>]   X HELP
                                                          X HELP
TYPE <file name> [TO PRINT]   X HELP
                                                          X HELP
UPDATE ON <key> FROM <alias>   X HELP
                                                          X HELP
USE [<database file name>] [INDEX <index file list>]   X HELP
[ALIAS <alias name>]   X HELP
                                                          X HELP
WAIT [<prompt>] [TO <memory variable>]   X HELP
                                                          X HELP
ZAP   X HELP
                                                          X HELP
*** X HELP
                                                          X HELP

7.4.   FUNCTION LIST   X HELP

       -------------   X HELP

&<memory variable>[.<character expression>] X HELP

<character expression>$<character expression> X HELP

ALIAS([<numeric expression)] X HELP

  Extension to dBASE. Returns alias of the specified work X HELP

ABS(<numeric expression) X HELP

ASC(<character expression> X HELP

AT(<character expression>,<character expression>) X HELP

BOF([<numeric expression>] X HELP

CDOW(<date expression>) X HELP

CHR(<numeric expression>) X HELP

CMONTH(<date expression>) X HELP

COL() X HELP

CTOD<<character expression>) X HELP

DATE() X HELP

DAY(<date expression>) X HELP

DBF([<numeric expression>]) X HELP

DELETED([<numeric expression>]) X HELP

DISKSPACE() X HELP

DOW(<date expression>) X HELP

DTOC(<character expression>[,<1>]) **** 1 Gives date in 1X HELP
indexing X HELP

EOF([<numeric expression>]) X HELP

ERROR() X HELP

EXP(<numeric expression>)	X HELP
	X HELP
FCOUNT([<numeric expression>])	X HELP
	X HELP
Extension to dBASE Returns the number of fields in specified database.	X HELP
	X HELP
	X HELP
FIELD(<numeric expression>[,<numeric expression>])	X HELP
	X HELP
FILE(<file name>)	X HELP
	X HELP
FKLABEL(<numeric expression>) *F	X HELP
	X HELP
FKMAX() *F	X HELP
	X HELP
FOUND([<numeric expression>])	X HELP
	X HELP
GETENV(<character expression>) *F	X HELP
	X HELP
IIF(<condition>,<expression>,<expression>)	X HELP
	X HELP
INKEY([<numeric expression>]) *F	X HELP
	X HELP
INT(<numeric expression>)	X HELP
	X HELP
ISALPHA(<character expression>)	X HELP
	X HELP
ISCOLOR()	X HELP
	X HELP
ISLOWER(<character expression>)	X HELP
	X HELP
ISUPPER(<character expression>)	X HELP
	X HELP
LEFT(<character expression>,<numeric expression>)	X HELP
	X HELP
LEN(<character expression>)	X HELP
	X HELP
LOG(<numeric expression>)	X HELP
	X HELP
LOWER(<character expression>)	X HELP
	X HELP
LTRIM(<character expression>)	X HELP
	X HELP
LUPDATE()	X HELP
	X HELP
MAX(<expression>,<expression>)	X HELP
	X HELP
MESSAGE([<1>]) *F	X HELP
	X HELP

MIN(<expression>,<expression>)	X HELP	
	X HELP	
MOD(<numeric expression>,<numeric expression>)	X HELP	
	X HELP	
MONTH(<date expression>)	X HELP	
	X HELP	
NDX(<numeric expression>)	X HELP	
	X HELP	
OS()	X HELP	
	X HELP	
PCOL()	X HELP	
	X HELP	
PROW()	X HELP	
	X HELP	
READKEY()	X HELP	
	X HELP	
RECCOUNT([<numeric expression>])	X HELP	
	X HELP	
RECNO([<numeric expression>])	X HELP	
	X HELP	
RECSIZE([<numeric expression>])	X HELP	
	X HELP	
REPLICATE(<character expression>,<numeric expression>)	X HELP	
	X HELP	
RIGHT(<character expression>,<numeric expression>)	X HELP	
	X HELP	
ROW()	X HELP	
	X HELP	
RTRIM(<character expression>)	X HELP	
	X HELP	
SELECT()	X HELP	
	X HELP	

Extension to dBASE.   Returns the number of the curr X HELP
selected workarea.   X HELP

	X HELP	
SPACE(<numeric expression>)	X HELP	
	X HELP	
SQRT(<numeric expression>)	X HELP	
	X HELP	
STR(<numeric expression>[,[length][,number decimal places]	X HELP	
	X HELP	
STUFF(<character expression>,<start character>,	X HELP	
characters>,<character expression>)	X HELP	
	X HELP	
SUBSTR(<character expression>,<START[,<number charac	X HELP	
	X HELP	
SYS(<numeric expression>[,<expression>,....])	X HELP	
	X HELP	
TIME()	X HELP	

	X HELP
TRANSFORM(<expression>,<character expression>)	X HELP
	X HELP
TRIM(<character expression>)	X HELP
	X HELP
TYPE(<character expression>)	X HELP
	X HELP
UPDATED()	X HELP
	X HELP
Extension to dBASE. Returns true if the variables in the	X HELP
READ were updated.	X HELP
	X HELP
UPPER(<character expression>)	X HELP
	X HELP
VAL(<character expression>)	X HELP
	X HELP
VERSION()	X HELP
	X HELP
YEAR(<date expression>)	X HELP
	X HELP
	X HELP
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III_HELP2,C,25	III_NUM,N,6,0
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	100015
	100016
	100017
	100018
	100019
	100020
	100021
INTRODUCTION	100022
INTRODUCTION	100023
INTRODUCTION	100024
INTRODUCTION	100025
INTRODUCTION	100026
INTRODUCTION	100027
INTRODUCTION	100028
INTRODUCTION	100029
INTRODUCTION	100030
INTRODUCTION	100031
INTRODUCTION	100032
INTRODUCTION	100033
INTRODUCTION	100034
INTRODUCTION	100035
INTRODUCTION	100036
INTRODUCTION	100037
INTRODUCTION	100038
INTRODUCTION	100039
INTRODUCTION	100040
INTRODUCTION	100041
INTRODUCTION	100042
INTRODUCTION	100043
INTRODUCTION	100044
INTRODUCTION	100045
INTRODUCTION	100046
INTRODUCTION	100047
INTRODUCTION	100048

INTRODUCTION	100049
INTRODUCTION	100050
INTRODUCTION	100051
INTRODUCTION	100052
INTRODUCTION	100053
INTRODUCTION	100054
CONVENTIONS USED	100055
CONVENTIONS USED	100056
CONVENTIONS USED	100057
CONVENTIONS USED	100058
CONVENTIONS USED	100059
CONVENTIONS USED	100060
CONVENTIONS USED	100061
CONVENTIONS USED	100062
CONVENTIONS USED	100063
CONVENTIONS USED	100064
CONVENTIONS USED	100065
CONVENTIONS USED	100066
CONVENTIONS USED	100067
CONVENTIONS USED	100068
CONVENTIONS USED	100069
CONVENTIONS USED	100070
CONVENTIONS USED	100071
CONVENTIONS USED	100072
CONVENTIONS USED	100073
CONVENTIONS USED	100074
CONVENTIONS USED	100075
CONVENTIONS USED	100076
CONVENTIONS USED	100077
CONVENTIONS USED	100078
CONVENTIONS USED	100079
CONVENTIONS USED	100080
CONVENTIONS USED	100081
CONVENTIONS USED	100082
HELP	100083
HELP	100084
HELP	100085
HELP	100086
HELP	100087
HELP	100088
HELP	100089
HELP	100090
TUTORIAL	100091
TUTORIAL	100092
TUTORIAL	100093
TUTORIAL	100094
TUTORIAL	100095
TUTORIAL	100096
TUTORIAL	100097

TUTORIAL	100098
TUTORIAL	100099
TUTORIAL	100100
DOCUMENTATION	100101
DOCUMENTATION	100102
DOCUMENTATION	100103
DOCUMENTATION	100104
DOCUMENTATION	100105
DOCUMENTATION	100106
DOCUMENTATION	100107
DOCUMENTATION	100108
DOCUMENTATION	100109
DOCUMENTATION	100110
DOCUMENTATION	100111
DOCUMENTATION	100112
DOCUMENTATION	100113
DOCUMENTATION	100114
DOCUMENTATION	100115
DOCUMENTATION	100116
STARTING IN MENU	100117
STARTING IN MENU	100118
STARTING IN MENU	100119
STARTING IN MENU	100120
STARTING IN MENU	100121
STARTING IN MENU	100122
STARTING IN MENU	100123
STARTING IN MENU	100124
STARTING IN MENU	100125
STARTING IN MENU	100126
STARTING IN MENU	100127
STARTING IN MENU	100128
STARTING IN MENU	100129
STARTING IN MENU	100130
STARTING IN MENU	100131
STARTING IN MENU	100132
STARTING IN MENU	100133
STARTING IN MENU	100134
STARTING IN MENU	100135
ON-LINE HELP	100136
ON-LINE HELP	100137
ON-LINE HELP	100138
ON-LINE HELP	100139
ON-LINE HELP	100140
ON-LINE HELP	100141
ON-LINE HELP	100142
ON-LINE HELP	100143
ON-LINE HELP	100144
ON-LINE HELP	100145
ON-LINE HELP	100146

ON-LINE HELP	100147
ON-LINE HELP	100148
ON-LINE HELP	100149
ON-LINE HELP	100150
ON-LINE HELP	100151
ON-LINE HELP	100152
ON-LINE HELP	100153
ON-LINE HELP	100154
ON-LINE HELP	100155
ON-LINE HELP	100156
ON-LINE HELP	100157
ON-LINE HELP	100158
ON-LINE HELP	100159
ON-LINE HELP	100160
ON-LINE HELP	100161
ON-LINE HELP	100162
ON-LINE HELP	100163
ON-LINE HELP	100164
ON-LINE HELP	100165
ON-LINE HELP	100166
ON-LINE HELP	100167
ON-LINE HELP	100168
ON-LINE HELP	100169
ON-LINE HELP	100170
ON-LINE HELP	100171
ON-LINE HELP	100172
ON-LINE HELP	100173
ON-LINE HELP	100174
ON-LINE HELP	100175
ON-LINE HELP	100176
ON-LINE HELP	100177
ON-LINE HELP	100178
ON-LINE HELP	100179
ON-LINE HELP	100180
ON-LINE HELP	100181
ON-LINE HELP	100182
ON-LINE HELP	100183
ON-LINE HELP	100184
ON-LINE HELP	100185
ON-LINE HELP	100186
ON-LINE HELP	100187
ON-LINE HELP	100188
ON-LINE HELP	100189
ON-LINE HELP	100190
ON-LINE HELP	100191
ON-LINE HELP	100192
ON-LINE HELP	100193
ON-LINE HELP	100194
ON-LINE HELP	100195

Sheet1

ON-LINE HELP	100196
ON-LINE HELP	100197
ON-LINE HELP	100198
ON-LINE HELP	100199
ON-LINE HELP	100200
ON LINE HELP SCREENS	100201
ON LINE HELP SCREENS	100202
ON LINE HELP SCREENS	100203
ON LINE HELP SCREENS	100204
ON LINE HELP SCREENS	100205
ON LINE HELP SCREENS	100206
ON LINE HELP SCREENS	100207
ON LINE HELP SCREENS	100208
ON LINE HELP SCREENS	100209
ON LINE HELP SCREENS	100210
ON LINE HELP SCREENS	100211
HELP WINDOWS	100212
HELP WINDOWS	100213
HELP WINDOWS	100214
HELP WINDOWS	100215
HELP WINDOWS	100216
HELP WINDOWS	100217
HELP WINDOWS	100218
HELP WINDOWS	100219
HELP WINDOWS	100220
HELP WINDOWS	100221
HELP WINDOWS	100222
HELP WINDOWS	100223
HELP WINDOWS	100224
HELP WINDOWS	100225
HELP WINDOWS	100226
INFORMATION WINDOWS	100227
INFORMATION WINDOWS	100228
INFORMATION WINDOWS	100229
INFORMATION WINDOWS	100230
INFORMATION WINDOWS	100231
INFORMATION WINDOWS	100232
INFORMATION WINDOWS	100233
INFORMATION WINDOWS	100234
INFORMATION WINDOWS	100235
INFORMATION WINDOWS	100236
INFORMATION WINDOWS	100237
INFORMATION WINDOWS	100238
INFORMATION WINDOWS	100239
INFORMATION WINDOWS	100240
INFORMATION WINDOWS	100241
INFORMATION WINDOWS	100242
INFORMATION WINDOWS	100243
INFORMATION WINDOWS	100244

INFORMATION WINDOWS	100245
INFORMATION WINDOWS	100246
INFORMATION WINDOWS	100247
INFORMATION WINDOWS	100248
INFORMATION WINDOWS	100249
INFORMATION WINDOWS	100250
INFORMATION WINDOWS	100251
INFORMATION WINDOWS	100252
INFORMATION WINDOWS	100253
INFORMATION WINDOWS	100254
INFORMATION WINDOWS	100255
INFORMATION WINDOWS	100256
INFORMATION WINDOWS	100257
INFORMATION WINDOWS	100258
INFORMATION WINDOWS	100259
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