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//

// NAME: WPCHLIBR.WPM

//

// PURPOSE: Support Functions and Procedures
// for WordPerfect 6.0 Coach macros

//

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//*****

// Revision History:

//

// June 22, 1993 BrentS - Modified LstBxControl for a PostIt error. This change will not affect the way your macro will run.

// June 22, 1993 BrentS - Added a parameter to OpenDocument() that allows the parent macro to pass in what message wanted. Assign tbox = -1 in an array the default message will appear.

// June 22, 1993 BrentS - Added a "Coach" as a title on CommentsBox Proc.

// June 22, 1993 BrentS - Added a #3 option to info[10] in lstbxcontrol. It currently has #2 as Down the UP, #3 has Up then Down.

// June 22, 1993 Aaron - Increase the size of the continue button for MessageBox when buttons = 8.

// June 22, 1993 Juliewst - Made a text change to BlockEdit routine as per Lori.

// June 10, 1993 Juliewst - Added a statement to QuitCoach() to allow for cancelling in Tables and substructures.

// June 10, 1993 Juliewst - Added 3 graphics items to MenuPop as valid popout items.

// June 10, 1993 BrentS - Added two buttons to Messagebox (7) for (Continue) and (8) for Continue Quit.

// June 7, 1993 Aaron - Modified the Open Doc Proc to accomidate CHADs formatting changes.

// June 7, 1993 BrentS - Modified the Saving Doc Proc to accomidate CHADs changes.

// June 7, 1993 Juliewst - Removed a blank line from the "Nothing is blocked" message in NoBlock(), and from "Block is on, but no text has been selected."

// June 4, 1993 Juliewst - Added to Fakeit a bug fix for the left corner cursor positioning.

// June 4, 1993 Juliewst - Changed ScreenSetup and RestoreScreen to check for Menu Bar.

// June 23, 1993 Aaron - Changed PostIt() so the hotspot posititons are correct when using -99 as a horz. position (centered).

// May 28, 1993 Juliewst - Changed For to ForNext, Case to Switch, and EndCase to EndSwitch because of a program change.

// May 25, 1993 Aaron - Added brents bug fix in lstbxcontrol that will do an up down if info[10] is set to the number 2.

// May 24, 1993 Juliewst - Added checking for Table Edit mode to CancelCoach().

// May 20, 1993 Juliewst - Fixed wrong menu values in the GraphicsMenu(), LayoutMenu() and ToolsMenu() procedures.

// May 20, 1993 PAULL - Added messages for non supported screen modes in the DlgMessage() function.

// May 20, 1993 PAULL - Fixed the text hangovers on the Coach comment prompts in the BlockEdit() function.

// May 19, 1993 BRENTS - Modified ColorScheme().

// May 19, 1993 PAULL - Added "StyCancel!" to the "Quit..Esc" default button in the MessageBox() function.

// May 19, 1993 BRENTS - Modified save routine.

// May 14, 1993 Juliewst - Changed Quit to RETURN in QuitCoach().

// May 14, 1993 Paull - Added Global Variables to ScreenSetup(). Deleted Reveal Codes and Scroll Bar portions of ScreenSetup() and RestoreStates().

// May 14, 1993 PAULL - Changed a Coach comment in BlockEdit().

// May 14, 1993 Juliewst - Added the RestoreStates() command to QuitCoach().

// May 14, 1993 Juliewst - Added procs ScreenSetup() and RestoreStates.

// May 14, 1993 AARON - Error added to ColorScheme(). If user is in a substructure (header/footer screen) and a coach is started, the error is generated and the coach Quits.

// May 14, 1993 AARON - Changed the Steps param in PostIt() to be and adjuster in graphics mode. If the document screen and the coach dlg overlap, change Steps to be a one.

// May 13, 1993 PAULL - Changed the message in NoBlock() to read "Nothing is blocked" instead of "Nothing is selected".

// May 13, 1993 BRENTS - Updated Save functions.

// May 13, 1993 PAULL - Fixed the red Quit button in PostIt() style 1.

// May 13, 1993 PAULL - Changed cancel to "Quit...Esc" in MessageBox() style 4.

// May 13, 1993 BRENTS - Updated Save functions.

// May 12, 1993 PAULL - Bolded all button accelerators where needed in the FakeIt() function.

// May 12, 1993 PAULL - Added a return value of 1 to BlockEdit() when an F7 key is pressed.

// May 12, 1993 PAULL - Added a Buttons parameter to BlockEdit() to allow the button styles used in FakeIt() to be passed.

// May 12, 1993 PAULL - Blocked Ctrl+S in the BlockEdit() and DoEdit() functions.

// May 12, 1993 PAULL - Added code to FakeIt() to enable the accelerator keys for "Show Me...Ctrl+S" and "Hint...F1".

// May 12, 1993 PAULL - Changed all blank titles to "Coach".

// May 12, 1993 PAULL - Change the CancelCoach() proc. to read "Quit Coach?" with "Coach" as the title.

// May 11, 1993 PAULL - Removed the StepsBox() function.

// May 11, 1993 PAULL - Added PostIt() code to the dialog control functions that will redisplay the Coach dialog when HotPnt is equal to 0.

// May 11, 1993 PAULL - Added a color to ColorScheme().

// May 11, 1993 PAULL - Added back an option for a "Quit...Esc" button in MessageBox() as buttons style 6.

// May 11, 1993 PAULL - Backed out changes to MessageBox() made by JULIEWST that changed the minimum width, OK and Cancel buttons.

// May 11, 1993 PAULL - Added a button style 6 to the FakeIt() function that allows just a Quit..Esc button and changed the hotspots accordingly in DoEdit() and BlockEdit().

// May 11, 1993 PAULL - Added a second test to the Filter() function to test for keys without testing the key value -32. Filter will test in this fashion when the third parameter is equal to a 2.

// May 11, 1993 JULIEWST - Changed Cancel Buttons to Quit buttons in StepsBox().

// May 11, 1993 JULIEWST - Changed Minimum Width of MessageBox() to 34.

// May 11, 1993 JULIEWST - Changed CancelCoach() to say "Cancel Coach?" and centered it in dlg box.

// May 11, 1993 JULIEWST - Changed OK and Cancel Buttons in MessageBox to Continue and Quit...Esc.

// May 11, 1993 JULIEWST - Added a Button 6 to MessageBox() Exit Coach

// May 11, 1993 JULIEWST - Removed all Table Editing Functions and Procedures and placed them in a separate Library, WPCHLBTB.WPM.

// May 10, 1993 JULIEWST - Changed EditTable to run correct macro to create a table. WPCHTB01.WPM

// May 10, 1993 PAULL - Added re-paint code to the LstBxControl() function when AclPnt() is equal to a 1.

// May 10, 1993 Aaron - Changed Postit to be able to stack vertically show me and quit buttons. Setting buttons = 6 on postit() will accomplish this.

// May 10, 1993 JULIEWST - Changed LOOK to CHAR in TableEditControl(). Changed text and button positions in EditTable().

// May 8, 1993 PAULL - Changed all dialog control functions to Wait five tenths of a second only when the element for the active hotspot has been set to a 2 that indicates a double click is possible for that hot spot.

// May 8, 1993 PAULL - Changed the ShowMenu() proc to use a Speed command instead of Wait statements.

// May 8, 1993 PAULL - Added a new procedure called AssignedSubs() that is now used in the MenuControl() function to insure the proper prompt message to display while using the pulldown menus.

// May 7, 1993 PAULL - Added ShowCode(RestoreScreen!) to the LstBxControl() function to repaint a dialog if dismissed.

// May 7, 1993 PAULL - Changed the Title "Tip" in the Hint() function to "Quick Tip".

// May 7, 1993 PAULL - Added xpos and ypos to the Hint() function that allows centering when given a value of -99.

// May 6, 1993 PAULL - Changed MessageBox() to not add lines when Buttons equal 0.

// May 6, 1993 PAULL - Removed the blank lines at the top of Welcome(), Hint() and Overview().

// May 6, 1993 PAULL - Updated the functions and procedures that use MenuControl with the updated changes.

// May 6, 1993 PAULL - Added a wait for ?MouseLeft for all hot spots in the HotSpot() function.

// May 6, 1993 PAULL - Changed MenuControl() to allow for individual execute arrays for &allow, &accel and &subacl. Added two more help messages that change depending if focus is on a non valid menu, a valid menu or a valid popout menu.

// May 5, 1993 BRENTS - Added a Hint message function that displays "Show Me" and "Return to Coach" buttons.

// May 5, 1993 BRENTS - Added ColorScheme Procedure for Text and Graphics mode to create the "[Coach]" palate.

// May 5, 1993 PAULL - Added "Show Me...Ctrl+S" buttons to the PostIt() proc the code for hotspots in all the dialog control functions.

// May 4, 1993 PAULL - Added "Quit..Esc" buttons to the PostIt() proc and adjusted the hotspots for these button in both DoEdit() and BlockEdit() and added the capability to use the quit button in all of the dialog control functions.

// May 3, 1993 PAULL - Changed the MessageBox() proc to not include a blank space at the top of each message.

// May 3, 1993 PAULL - Added a global variable to ShowMenu() and MenuBarControl() to set a flag to test for pre execution of a menu command upon entering the MenuControl() proc.

// May 3, 1993 PAULL - Added save screen and restore screen in both MenuBarControl() and MenuControl() to eliminate the need for an "OK" button on the help messages.

// May 3, 1993 BRENTS - Modified SavingDoc Procedure to conform with standards.

// May 1, 1993 PAULL - Added a procedure called PleaseWait() to show a "Please Wait..." message.

// May 1, 1993 PAULL - Changed a message the DocOpen() proc to read as an "OK" message rather than a "Yes" or "No" message when a file was not opened.

// May 1, 1993 PAULL - Enhanced BlockEdit() to handle the positioning for "CoachComments" when there are no steps included in a postit message. The Help parameter will now indicate if steps are included in the help prompts when it's value is set to 2.

// April 30, 1993 PAULL - Added a line of text to the SavingDoc() proc that says "To save your document:".

// April 29, 1993 PAULL - Added a variable called "FakeBtns" to the FakeIt() proc that will indicate to both the DoEdit() and BlockEdit procedures the hotspot regions for the buttons found on the FakeIt() dialog.

// April 29, 1993 PAULL - Removed the HotSpot parameter on the HotSpot() proc. The hotspots for the buttons on the FakeIt() dialog will now be determined within FakeIt() by adding a global variable named "FakeBtns" at the top of each Coach macro.

// April 29, 1993 PAULL - Removed the words "Coach Comments" from the CommentsBox() proc.

// April 29, 1993 PAULL - Added a "Quit...Esc" to the FakeIt() dialog.

// April 29, 1993 PAULL - Added minimum width of 30 to both the Welcome() and Overview() functions dialogs.

// April 29, 1993 JULIEWST - Adjusted some of the menu displays in EditTable().

// April 29, 1993 JULIEWST - Removed Overview Button from the Welcome() Function Dlg.

// April 29, 1993 JULIEWST - Change the Cancel Button to Quit on Welcome() Function Dlg.

// April 29, 1993 BRENTS - Changed Messagebox, if you choose 3 for buttons and the width of the message is too small a minimum of 25 is assigned to VAR w.

// April 29, 1993 BRENTS - Changed "Coach Help 1" and "Coach Help 2" to just "Coach".

// April 28, 1993 PAULL - Changed the width of the "Hint...F1" button in the PostIt proc.

// April 28, 1993 PAULL - Changed w+3 to w+4 in MessageBox for all button types except button type one which is the default OK button.

// April 28, 1993 BRENTS - Added code to MenuBarControl() and MenuControl to cancel the menus when a function key is pressed.

// April 28, 1993 JULIEWST - Added Procedures EditTable() and TblColEdit().

// April 27, 1993 BRENTS - Fixed aclpnt error in SavingDoc()

// April 27, 1993 PAULL - Added two Functions for Overreview() and Welcome().

// April 27, 1993 JULIEWST - Added Procedures for SetBoxSize(), ExitTableEdit(), and TableEditControl().

// April 27, 1993 JULIEWST - Added Function TableBlockEdit().

// April 26, 1993 JULIEWST - Changed all Control ID's to #-512 because of changes made to program 4-22-93.

// April 26, 1993 JULIEWST - Changed w+4 to w+3 in MessageBox proc.

```
//*****  
// PROCEDURES  
//*****
```

```

//*****
//
//  PROCEDURE: FakeIt
//
//*****
PROCEDURE FakeIt(Title;&tbox;Buttons;Frame;Steps)
  Global(xposS1;xposS2;xposH1;xposH2;xposQ1;xposQ2;yposS1;FakeBtns)
  Global(AreaHgt)
  FakeBtns=0
  Look(Key)
  While(Key <> 0)
    Look(Key)
  EndWhile

  Btns=0
  If(Buttons)
    Btns=2
  Endif
  If(Frame)
    If(Not Exists(ColorSet))
      CheckColorSet()
    Endif
    If(ColorSet = 1)
      Adj=1
      Steps=0
    Else
      Adj=-2
    Endif

    DisplayRewrite
    WindowFrame

    WindowSize(0;16;640;384+(ScrnMode * 16)-((tbox[0]+Adj+Steps+Btns) * 16))
    If(ColorSet = 1)
      AreaHgt=(384+(ScrnMode * 16)-((tbox[0]+Adj+Steps+Btns) * 16)) / 16
    Else
      AreaHgt=((384+(ScrnMode * 16)-((tbox[0]+Adj+Steps+Btns) * 16)) / 16) - 4
    Endif
  Endif
  Steps=0
  DlgCreate(Result;Title;
    DlgNoOk!+DlgNoCancel!+DlgInactive!+DlgNoClear!;
    0;25+ScrnMode-(tbox[0]);80;tbox[0]+1+Steps+Btns)
//
//  If(Steps)
//    DlgControl(CtrlLabel!;;
//    "[Bold On]Step "+StepNum+" - "+StepText+"[Bold Off]";;2;1;;1)

```



```

//      ForNext(x;1;tbox[0])
//          DlgControl(CtrlLabel!;;tbox[x];;2;x+2;;1)
//      Endfor
//  Else
//      ForNext(x;1;tbox[0])
//          DlgControl(CtrlLabel!;;tbox[x];;2;x;;1)
//      Endfor
//  Endif
//  If(Buttons = 1 or Buttons = 2)
//      FakeBtns=Buttons
//      DlgControl(CtrlPushbutton!;;" Continue ";;51;tbox[0]+Steps+Btms-1)
//      If(Buttons = 2)
//          DlgControl(CtrlPushbutton!;;" Continue ";;51;tbox[0]+Steps+Btms-1)
//      Endif
//      DlgControl(CtrlPushbutton!;;"Quit...[Bold On]Esc[Bold Off]";;65;tbox[0]+Steps+Btms-1)
//
//  Else
//      If(Buttons >=3 and Buttons <= 8)
//          FakeBtns=Buttons
//
//          If(Buttons >=3 and Buttons <= 5)
//              DlgControl(CtrlPushbutton!;;
//                  "Continue...[Bold On]F7[Bold Off]";;45;tbox[0]+Steps+Btms-1)
//              DlgControl(CtrlPushbutton!;;
//                  "Continue...[Bold On]F7[Bold Off]";;45;tbox[0]+Steps+Btms-1)
//              DlgControl(CtrlPushbutton!;;
//                  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btms-1)
//          Endif
//
//          Switch(Buttons)
//
//          CaseOf 4:
//              DlgControl(CtrlPushbutton!;;
//                  "Show Me...[Bold On]Ctrl+S[Bold Off]";;25;tbox[0]+Steps+Btms-1)
//
//          CaseOf 5:
//              DlgControl(CtrlPushbutton!;;
//                  " Hint...[Bold On]F1[Bold Off] ";;28;tbox[0]+Steps+Btms-1)
//
//          CaseOf 6:
//              DlgControl(CtrlPushbutton!;;
//                  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btms-1)
//              DlgControl(CtrlPushbutton!;;
//                  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btms-1)
//              DlgControl(CtrlPushbutton!;;
//                  "Show Me...[Bold On]Ctrl+S[Bold Off]";;42;tbox[0]+Steps+Btms-1)

```

```
CaseOf 7:
  DlgControl(CtrlPushbutton!;;
  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btns-1)
  DlgControl(CtrlPushbutton!;;
  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btns-1)
  DlgControl(CtrlPushbutton!;;
  " Hint...[Bold On]F1[Bold Off] ";;45;tbox[0]+Steps+Btns-1)
```

```
CaseOf 8:
  DlgControl(CtrlPushbutton!;;
  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btns-1)
  DlgControl(CtrlPushbutton!;;
  " Quit...[Bold On]Esc[Bold Off] ";;62;tbox[0]+Steps+Btns-1)
```

```
ENDSwitch
```

```
Endif
```

```
Endif
```

```
DlgEnd
```

```
*****
```

```
// Cursor Position Bug Fix
```

```
*****
```

```
PosCharNext
```

```
PosCharPrevious
```

```
*****
```

```
ENDPROC
```

```
//*****  
//  
//  PROCEDURE: CommentsBox  
//  
//*****  
PROCEDURE CommentsBox(&cmnt;xpos;ypos;width;hight;Style)  
  If(Style = 1)  
    DlgCreate(Result;"Coach";  
    DlgNoOk!+DlgNoCancel!+DlgInactive!+DlgNoClear!;  
    ;;width;hight)  
  Else  
    DlgCreate(Result;"Coach";  
    DlgNoOk!+DlgNoCancel!+DlgInactive!+DlgNoClear!;  
    xpos;ypos+ScrnMode;width;hight)  
  Endif  
  ForNext(x;1;cmnt[0])  
    DlgControl(CtrlLabel!;;cmnt[x];;2;x;;)  
  Endfor  
  DlgEnd  
ENDPROC
```

```
//*****  
//  
// PROCEDURE: CancelMenus  
//  
//*****  
PROCEDURE CancelMenus()  
    While(?Dialog = 2)  
        CancelKey  
    EndWhile  
ENDPROC
```

```
//*****  
//  
// PROCEDURE: CancelDialogs  
//  
//*****  
PROCEDURE CancelDialogs()  
    While(?Dialog <> -1)  
        CancelKey  
    EndWhile  
ENDPROC
```

```
//*****  
//  
//  PROCEDURE: ScreenSetup  
//  
//*****  
PROCEDURE ScreenSetup()  
Global(Bbar;Ribn;Olb;PDM)  
  
IF (?ButtonBar)  
    BBar=1  
    ButtonBar(Off!)  
ELSE  
    BBar=0  
ENDIF  
  
IF (?OutlineBar)  
    OLB=1  
    OutlineBarSetup(off!)  
ELSE  
    OLB=0  
ENDIF  
  
IF(?Ribbon)  
    Ribn=1  
    RibbonSetup(off!)  
ELSE  
    Ribn=0  
ENDIF  
  
IF(?PullDownMenus)  
    PDM=1  
ELSE  
    PDM=0  
    MenuBarRemainsVisible  
    SetupSave  
Endif  
  
DisplayOnStatusLine(Nothing!)  
  
ENDPROC
```

```
//*****  
//  
//  PROCEDURE: RestoreStates  
//  
//*****  
PROCEDURE RestoreStates()  
  
    IF(BBar=1)  ButtonBar(On!)  ENDIF  
    IF(OLB=1)  OutlineBarSetup(on!) ENDIF  
    IF(Ribn=1)  RibbonSetup(on!) ENDIF  
    IF(PDM=0)  MenuBarRemainsVisible SetupSave ENDIF  
    DisplayOnStatusLine(Filename!)  
    DisplayRewrite  
ENDPROC
```

```
//*****  
//  
// FUNCTION: BlockEdit  
//  
//*****  
FUNCTION BlockEdit(Title;EnableBlk;EnableMouse;&DefMsg;Buttons;Helps)  
  Result=0 Init=0  
  Look(Key)  
  While(Key <> 0)  
    Look(Key)  
  EndWhile  
  
  Switch(FakeBtns)  
  
  CaseOf 3:  
    Lft1a=45 Lft1b=59  
    Lft2a=62 Lft2b=76  
    Lft3a=0 Lft3b=0  
  
  CaseOf 4:  
    Lft1a=45 Lft1b=59  
    Lft2a=62 Lft2b=76  
    Lft3a=25 Lft3b=42  
  
  CaseOf 5:  
    Lft1a=45 Lft1b=59  
    Lft2a=62 Lft2b=76  
    Lft3a=28 Lft3b=42  
  
  CaseOf 6:  
    Lft1a=0 Lft1b=0  
    Lft2a=62 Lft2b=76  
    Lft3a=42 Lft3b=59  
  
  CaseOf 7:  
    Lft1a=0 Lft1b=0  
    Lft2a=62 Lft2b=76  
    Lft3a=45 Lft3b=59  
  
  CaseOf 8:  
    Lft1a=0 Lft1b=0  
    Lft2a=62 Lft2b=76  
    Lft3a=0 Lft3b=0  
  
  DEFAULT:  
    Lft1a=51 Lft1b=62
```


Lft2a=65 Lft2b=76
Lft3a=0 Lft3b=0

ENDSwitch

Steps=0
If(Helps = 2)
 Steps=1
Endif

NotFound(On!)
OnNotFound Call(NotFoundCoach)
Cancel(On!)
OnCancel Call(CancelCoach)

DlgInput(On!)

Option=0 Result=0
While(1)
 Char(Key)
 If((?MouseLeft)
 and (?MouseLastX >= 0 and ?MouseLastX <= 62)
 and (?MouseLastY >= 0 and ?MouseLastY <= 0))
 FakeIt(Title;&DefMsg;Buttons;0;Steps)
 Type(ntoc(Key))
 Option=?DialogControl
 PosLineDown

 BlkFrmMenu(Option)
 NotFound(On!)
 OnNotFound Call(NotFoundCoach)

 Cancel(On!)
 OnCancel Call(CancelCoach)
 While(?Dialog <> -1)
 Char(Key)
 Type(ntoc(Key))
 Key=-1
 EndWhile
 FakeIt(Title;&DefMsg;Buttons;0;Steps)
 If(?BlockActive and ?Dialog = -1)
 cmnt={ "Use the arrow keys to position to the end";
 "of the text, then choose [Bold On]Continue[Bold Off].";
 }
 If(Helps = 2)
 Vpos=(24 - (DefMsg[0]+3))

```

Else
    Vpos=(24 - (DefMsg[0]+2))
Endif
CommentsBox(&cmnt;1;Vpos;45;4;0)
Init=2
Endif
Endif
If(Key <> -768)
    If(Key <> -8154 and Key <> -8146 and Key <> -8142 and Key <> -8139 and
        Key <> -8124 and Key <> -8133 and Key <> -8050 and Key <> -8182 and Key <> -8160)
        // F7, Shft+F3, Shft+F7, Shft+F10, Ctrl+F1, Alt+F4, Ctrl+S, Enter, Esc
        Type(ntoc(Key))
    Endif
Else
    If((?MouseLastY < AreaHgt and (?MouseLastY > 1))
        and (?MouseLastX > 0 and ?MouseLastX < 79)
        and (EnableMouse) and (?MouseRightClick = 0))

        Type(ntoc(Key))
        If(EnableBlk)
            If(?MouseLeft and ?BlockActive)
                If(Init=0)
                    If(Helps)
                        cmnt={ "Keep holding the mouse button as you drag the block.";
                            }
                        If(Helps = 2)
                            Vpos=(24 - (DefMsg[0]+3))
                        Else
                            Vpos=(24 - (DefMsg[0]+2))
                        Endif
                        CommentsBox(&cmnt;5;Vpos;55;3;0)
                    Endif
                    Init=1
                Endif
            Endif
        Endif
        If(Init = 1 and ?MouseLeft = 0 and
            ?BlockActive)
            If(Helps)
                FakeIt(Title;&DefMsg;Buttons;0;Steps)
                cmnt={ "Good. Choose [Bold On]Continue[Bold Off] or try again.";
                    }
                If(Helps = 2)
                    Vpos=(24 - (DefMsg[0]+3))
                Else
                    Vpos=(24 - (DefMsg[0]+2))
                Endif
            Endif
        Endif
    Endif
Endif

```

```

        CommentsBox(&cmnt;3;Vpos;42;3;0)
    Endif
    Init=2
Endif
If(Init = 2 and ?BlockActive = 0)
    FakeIt(Title;&DefMsg;Buttons;0;Steps)
    Init=0
Endif
Else
    If(?BlockActive)
        BlockOff
    Endif
Endif
Else
    If((?MouseLastX >= Lft1a) and (?MouseLastX <= Lft1b) and
        (?MouseLastY = (23+ScrnMode)))
        If(NoSelect() = 1)
            Option=1
            Break
        Endif
    Else
        If((?MouseLastX >= Lft2a) and (?MouseLastX <= Lft2b) and
            (?MouseLastY = (23+ScrnMode)))
            Call(CancelCoach)
        Else
            If((?MouseLastX >= Lft3a) and (?MouseLastX <= Lft3b) and
                (?MouseLastY = (23+ScrnMode)))
                Option=3
                Break
            Else
                While(?MouseLeft)
                    EndWhile
                Key=0
            Endif
        Endif
    Endif
Endif
Endif
If(EnableBlk and Key = -8133)    // Block
    If(?BlockActive)
        BlockOff
        FakeIt(Title;&DefMsg;Buttons;0;Steps)
    Else
        BlockOn(CharMode!)
        If(Helps)
            cmnt={ "Use the arrow keys to position to the end";

```

```

        "of the text, then choose [Bold On]Continue[Bold Off].";
    }
    If(Helps = 2)
        Vpos=(24 - (DefMsg[0]+3))
    Else
        Vpos=(24 - (DefMsg[0]+2))
    Endif
    CommentsBox(&cmnt;1;Vpos;45;4;0)
Endif
Init=2
Endif
Endif
If(Key = -8154 and ?Dialog = -1)    // F7 Key
    If(NoSelect() = 1)
        Option=1
        Break
    Endif
Endif
If(FakeBtms = 4 or FakeBtms = 6)
    If(Key = -8050 and ?Dialog = -1) // Ctrl+S
        Option=3
        Break
    Endif
Endif
If(FakeBtms = 5 or FakeBtms = 7)
    If(Key = -8158 and ?Dialog = -1) // F1 Key
        Option=3
        Break
    Endif
Endif
If(Key = -8182 and ?Dialog > 2)
    HardReturn
Endif
While(?Dialog <> -1)
    Char(Key)
    Type(ntoc(Key))
    Key=-1
EndWhile
EndWhile
NotFound(Off!)
Cancel(Off!)
Return(Option)
ENDFUNC

```

```

//*****
//
//  PROCEDURE: BlkFrmMenu
//
//*****
PROCEDURE BlkFrmMenu(Option)
  NotFound(On!)
  OnNotFound Call(NotFoundCoach)

  Cancel(On!)
  OnCancel Call(CancelCoach)

  hbox1={  "";
          "Block and Search are available";
          "on the Edit menu.";
          "";
        }
  hbox2={  "";
          "Block and Search are available";
          "on the Edit menu.";
          "";
        }
  hbox3={  -1;
        }

  EditMenu(&valid)
  allow={    1487;
          1498;
        }
  exallow={  1;
            1;
        }
  accel={    98;
            104;
        }
  exaccel={  1;
            1;
        }
  NoSubMenu(&subval;&subacl;&exsubacl;&subs)

  sbox={    -1;
        }
  funky={   -8133;    // Alt+F4
            -8159;    // F2
        }

```

Switch(Option)

CaseOf 1987:

```
Result=MenuControl(&hbox1;&hbox2;&hbox3;&valid;&allow;&exallow;  
&accel;&exaccel;&subval;&subacl;&exsubacl;&subs;&funkey)
```

DEFAULT:

```
MenuActive=MenuBarControl("",&hbox1;&sbox;0;0;101;&funkey)  
If(Filter(&funkey;MenuActive;2) = 0)
```

```
Result=MenuControl(&hbox1;&hbox2;&hbox3;&valid;&allow;&exallow;  
&accel;&exaccel;&subval;&subacl;&exsubacl;&subs;&funkey)
```

Endif

ENDSwitch

ENDPROC

```

//*****
//
//  PROCEDURE: ShowMenu
//
//*****
PROCEDURE ShowMenu(Title;&sbox;xpos;ypos;Mnu;Opt;Pop;Execute)
  Global(ChkMenu)
  ChkMenu=0
  DlgInput(On!)
  CancelMenus()

  If(sbox[1]=-1)
    sbox[0]=0
  Endif

  PullDownDlg
  Speed(10)

  ForNext(x;1;Mnu)
    PosCharNext
  Endfor
  Wait(3)
  ForNext(x;1;Opt+1)
    PosLineDown
  Endfor
  If(Pop = 0)
    If(sbox[0] <> 0)
      Result=PostIt(Title;&sbox;xpos;ypos;0;0;0)
    Endif
  Endif
  If(Execute or Pop)
    Wait(3)
    HardReturn
  Endif
  If(Pop)
    If(Pop <> 1)
      ForNext(x;1;Pop-1)
        PosLineDown
      Endfor
    Endif
    If(sbox[0] <> 0)
      Result=PostIt(Title;&sbox;xpos;ypos;0;0;0)
    Endif
    If(Execute = 2)
      Wait(3)
      HardReturn
    Endif
  Endif

```

```
    Endif  
  Endif  
  Speed(0)  
  Cancel(Off!)  
ENDPROC
```



```

//*****
//
//  PROCEDURE: MenuBar
//
//*****
PROCEDURE MenuBar(&bar)
  bar={
    309;      // File
    1475;    // Edit
    1502;    // View
    1531;    // Layout
    1592;    // Tools
    1655;    // Font
    1867;    // Graphics
    3522;    // Window
    3704;    // Help
  }
ENDPROC

```

```
*****  
//  
// PROCEDURE: MenuPop  
//  
*****  
PROCEDURE MenuPop(&pop)  
  pop={  
    0;  
    458;  
    816;  
    1184;  
    1484;  
    1488;  
    1494;  
    1515;  
    1519;  
    1537;  
    1555;  
    1564;  
    1574;  
    1580;  
    1597;      //Macro  
    1601;      //Outline  
    1616;      //Merge  
    1549;      //Date  
    1620;      //Index  
    1623;      //Table of Contents  
    1626;      //List  
    1629;      //Cross Reference  
    1633;      //Table of Authorities  
    1639;      //Math  
    1644;      //Spreadsheet  
    1650;      //Soundclip  
    1658;      //Font Size/Position  
    4466;      //Graphics Boxes  
    4467;      //Graphics Lines  
    4468;      //Graphics borders  
  }  
ENDPROC
```

```

//*****
//
//  PROCEDURE: FileMenu
//
//*****
PROCEDURE FileMenu(&valid)
  valid={
    309;
    310;
    321;
    335;
    3812;
    420;
    436;
    437;
    458;
    816;
    1094;
    1184;
    1470;
    1471;
    1472;
    1473;
    1474;
  }
ENDPROC

```

```

//*****
//
//  PROCEDURE: EditMenu
//
//*****
PROCEDURE EditMenu(&valid)
  valid={
    1475;
    1476;
    1477;
    1478;
    1479;
    1480;
    1481;
    1482;
    1483;
    1484;
    1487;
    1488;
    1494;
    1498;
    1499;
    1500;
    1501;
  }
ENDPROC

```

```

//*****
//
//  PROCEDURE: ViewMenu
//
//*****
PROCEDURE ViewMenu(&valid)
  valid={
    1502;
    1503;
    1504;
    1505;
    1506;
    1508;
    1509;
    1510;
    1514;
    1515;
    1519;
    1529;
    1530;
    3609;
  }
ENDPROC
```

```

//*****
//
//  PROCEDURE: LayoutMenu
//
//*****
PROCEDURE LayoutMenu(&valid)
  valid={
    1531;
    1532;
    1533;
    1534;
    1535;
    1536;
    1537;
    1548;
    4422;
    1553;
    1554;
    1555;
    1563;
    1564;
    1573;
    1574;
    1580;
    0;
    1591;
  }
ENDPROC

```

```
//*****  
//  
// PROCEDURE: ToolsMenu  
//  
//*****  
PROCEDURE ToolsMenu(&valid)  
  valid={  
    1592;  
    1594;  
    1597;  
    1601;  
    1616;  
    1619;  
    1549;  
    1620;  
    1623;  
    1626;  
    1629;  
    1633;  
    1638;  
    1639;  
    1644;  
    1649;  
    1650;  
  }  
ENDPROC
```

```

//*****
//
//  PROCEDURE: FontMenu
//
//*****
PROCEDURE FontMenu(&valid)
  valid={
    1655;
    1656;
    1657;
    1658;
    1666;
    1667;
    1668;
    1669;
    1670;
    1671;
    1672;
    1673;
    1684;
    1685;
    1686;
  }
ENDPROC

```



```
//*****  
//  
//  PROCEDURE: GraphicsMenu  
//  
//*****  
PROCEDURE GraphicsMenu(&valid)  
  valid={  
    1867;  
    1868;  
    4466;  
    4467;  
    4468;  
    3463;  
    3464;  
  }  
ENDPROC
```

```

//*****
//
//  PROCEDURE: WindowMenu
//
//*****
PROCEDURE WindowMenu(&valid)
  valid={
    3522;
    3568;
    3569;
    3597;
    3626;
    3656;
    3670;
    3671;
    3683;
    3703;
  }
ENDPROC

```

```
//*****  
//  
//  PROCEDURE: HelpMenu  
//  
//*****  
PROCEDURE HelpMenu(&valid)  
  valid={  
    3704;  
    3708;  
    4198;  
    4255;  
    3711;  
    3713;  
    4256;  
    4254;  
  }  
ENDPROC
```

```
*****  
//  
// PROCEDURE: NoSubMenu  
//  
*****  
PROCEDURE NoSubMenu(&subval;&subacl;&exsubacl;&subs)  
  subval={ -1;  
  }  
  subacl={ -1;  
  }  
  exsubacl={ -1;  
  }  
  subs={ -1;  
  }  
ENDPROC
```

```
*****
```

```
//
```

```
// PROCEDURE: AssignedSubs
```

```
//
```

```
*****
```

```
PROCEDURE AssignedSubs(&subassgn;PullDown)
```

```
Switch(PullDown)
```

```
CaseOf 309: // File
```

```
subassgn={  
    459;  
    648;  
    281;  
    1074;  
    1093;  
    1185;  
    1186;  
    1187;  
    1188;  
    1233;  
    1258;  
}
```

```
CaseOf 1475: // Edit
```

```
subassgn={  
    1485;  
    1486;  
    1489;  
    1490;  
    1491;  
    1492;  
    1493;  
    1495;  
    1496;  
    1497;  
}
```

```
CaseOf 1502: // View
```

```
subassgn={  
    1516;  
    1417;  
    1418;  
    1520;  
    1521;  
    1522;
```

```
4410;  
1525;  
1526;  
3863;  
1593;  
1528;  
1227;  
}
```

```
CaseOf 1531: // Layout
```

```
subassgn={  
1538;  
1539;  
264;  
265;  
1540;  
1541;  
1542;  
1543;  
1547;  
1558;  
1559;  
1559;  
1560;  
1565;  
1566;  
1567;  
1568;  
1569;  
1570;  
1571;  
1572;  
}
```

```
CaseOf 1592: // Tools
```

```
subassgn={  
1598;  
1599;  
1600;  
1602;  
1603;  
1604;  
1605;  
1606;  
1607;  
1608;
```

```
1609;  
1610;  
1611;  
1612;  
1613;  
1614;  
1615;  
1617;  
1618;  
1550;  
1551;  
1552;  
1621;  
1622;  
1624;  
1625;  
1627;  
1628;  
1630;  
1631;  
1632;  
1634;  
1635;  
1637;  
1640;  
1641;  
1642;  
1643;  
1645;  
1646;  
1647;  
1648;  
1651;  
1652;  
1653;  
1654;  
}
```

```
CaseOf 1655: // Font
```

```
subassgn={  
1596;  
1661;  
1662;  
1663;  
1664;  
1665;
```

```
1595;  
1659;  
1660;  
}
```

```
CaseOf 1867: // Graphics
```

```
subassgn={  
2161;  
2344;  
2345;  
2346;  
2703;  
2720;  
3062;  
3099;  
3210;  
3245;  
3760;  
}
```

```
Default:
```

```
subassgn={  
-1;  
}
```

```
ENDSwitch
```

```
ENDPROC
```



```

//*****
//
// PROCEDURE: SavingDoc
//
//*****
PROCEDURE SavingDoc()
    tbox={ "To save and exit your document,";
        "";
        "► Choose [Bold On]File[Bold Off]";
        " then [Bold On]Exit[Bold Off].";
        " -or-";
        "► Press [Bold On]F7.";
        "";
    }
    FileMenu(&valid)
    allow={ 1473;}
    exallow={ 0;}
    accel={ 101;}
    exaccel={ 1;}
    NoSubMenu(&subval;&subacl;&exsubacl;&subs)

    funkey={-8154;}

    Repeat
    hbox1={ "► Choose [Bold On]File.";}
    hbox2={ "► Choose [Bold On]Exit.";}
    hbox3={ -1;}
    DisplayRewrite
    Result=PostIt("Coach",&tbox;33;13;0;2;0)
    MenuActive=0
        Show=HotSpot(0;0;62;0;-543;&funkey;1)

    Switch(Show)

        CaseOf 1: // Show menu
            sbox={ "► Choose [Bold On]Exit";}
            Result=PostIt("Coach",&tbox;33;13;0;3;0)
            ShowMenu("Coach",&sbox;2;14-ScrnMode;0;14;0;0)

        CaseOf 309: // Click on File

        CaseOf -543: // Alt+F
            Result=PostIt(DefTitle;&tbox;33;13;0;3;0)
            PullDownDlg
            Type("f")
            MenuActive=8154

```

```

CaseOf -8154: // [F7]

CaseOf -8085: // Alt+=
    sbox={-1;}
    Result=PostIt(DefTitle;&tbox;33;13;0;3;0)
    MenuActive=MenuBarControl("Coach",&hbox1;&sbox;30;5-ScrnMode;102;&funkey)

DEFAULT: // Default
    sbox={-1;}
    MenuActive=MenuBarControl("Coach",&hbox1;&sbox;30;5-ScrnMode;102;&funkey)

```

```
ENDSwitch
```

```
If(MenuActive <> -1)
```

```
    If(Show <> -8154 and MenuActive <> -8154)
```

```
        Result=MenuControl(&hbox1;&hbox2;&hbox3;&valid;
        &allow;&exallow;&accel;&exaccel;&subval;&subacl;
        &exsubacl;&subs;&funkey)
```

```
        MenuActive=Result
```

```
        If(MenuActive = 1473)
```

```
            CancelMenus()
```

```
            DisplayRewrite
```

```
            ExitDlg
```

```
        Endif
```

```
    Else
```

```
        CancelMenus()
```

```
        DisplayRewrite
```

```
        ExitDlg
```

```
    Endif
```

```
Endif
```

```
If(MenuActive = -1)
```

```
    Result=PostIt(DefTitle;&tbox;33;13;0;2;0)
```

```
Endif
```

```
Until(MenuActive <> -1)
```

```
While(?Dialog <> -1)
```

```
DisplayRewrite
```

```
Switch(?Dialog)
```

```
    CaseOf 43:
```

```
        ExitDlgProc()
```

```
    CaseOf 47:
```

```
        FileSaveDlgProc()
```

```
    CaseOf 494:
```

```
        ExitWpProc()
    CaseOf 270:
        ExitDocProc()
    CaseOf 0:
        ReplaceProc()
    ENDSwitch
ENDWHILE
// If(?DocBlank = 0)
//     tbox={"Document is Blank.";
//         }
//     Result=MessageBox(DefTitle;&tbox;1)
// Endif
//Until(?DocBlank)
    DlgInput(Off!)
ENDPROC
```

```

//*****
//
//  PROCEDURE: ExitDlgProc
//
//*****
PROCEDURE ExitDlgProc()
  x1={20;34;}
  x2={31;40;}
  y1={14;14;}
  y2={14;14;}
  hotkey={115;121;}
  hotpnt={1;1;}
  tbox={  "► Choose [Bold On]Yes[Bold Off] to save the file (or choose [Bold On]Save As[Bold Off]";
        " to save the file with a different name).          ";
        "";
        }
  helpmsg={  "► Choose [Bold On]Save As[Bold Off] or [Bold On]Yes.";
            "          ";
            }
  Result=0 SaveScrn=0
  While(?Dialog = 43)

    Switch(?DialogControl)

      CaseOf 55:          //Save As button
        info={55;
              43;
              1;
              DefTitle;
              12;
              16;
              1;
              "Coach";
              1;
              0;
              }
        accel={121;115;}
        acpnt={1;1;}
        Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;
                              &hotpnt;&accel;&acpnt;&tbox;&helpmsg)

      CaseOf 423:        //Yes button
        info={423;
              43;
              1;
              DefTitle;

```

```
    12;  
    16;  
    1;  
    "Coach";  
    1;  
    0;  
  }  
  accel={115;121;}  
  aclpnt={1;1;}  
  Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;  
    &hotpnt;&accel;&aclpnt;&tbox;&helpmsg)
```

```
DEFAULT:           // Cancel Button  
  info={?DialogControl;  
    43;  
    1;  
    DefTitle;  
    12;  
    16;  
    1;  
    "Coach";  
    1;  
    1;  
  }  
  accel={115;121;}  
  aclpnt={1;1;}  
  allow={55;423}  
  Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;  
    &hotpnt;&accel;&aclpnt;&tbox;&helpmsg;&allow)
```

```
ENDSwitch
```

```
EndWhile
```

```
ENDPROC
```

```

//*****
//
//  PROCEDURE: ReplaceProc
//
//*****
PROCEDURE ReplaceProc()
  x1={33;44;}
  x2={41;51;}
  y1={13;13;}
  y2={13;13;}
  hotkey={121;110;}
  hotpnt={1;1;}
  helpmsg={ "► Choose a replace option.";
            "";}
  tbox={   "► Choose the desired replace option.";
          "";}
  }
Result=0 SaveScrn=0
While(?Dialog = 0)
  If(Result = "Hint")
hbox={   "Answering [Bold On]Yes[Bold Off] will overwrite the previous version";
        "of this file. If you do not want to loose the previous";
        "version of this file, choose [Bold On]No[Bold Off] and you will be";
        "prompted for a new filename."}
  Hint=Hint(&hbox;-99;-99;3)
Endif

Switch(?DialogControl)

  CaseOf 4368:      //Yes button
    info={4368;
          0;
          1;
          DefTitle;
          20;
          16;
          4;
          "Coach";
          1;
          0;
          }
    accel={110;121;}
    aclpnt={1;1;}
    Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
&accel;&aclpnt;&tbox;&helpmsg)

```

```
CaseOf 2:      //No button
  info={2;
    0;
    1;
    DefTitle;
    20;
    16;
    4;
    "Coach";
    1;
    0;
  }
  accel={121;110}
  aclpnt={1;1;}
  Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
&accel;&aclpnt;&tbox;&helpmsg)
```

```
DEFAULT:
  info={?DialogControl;
    0;
    1;
    DefTitle;
    20;
    16;
    4;
    "Coach";
    1;
    0;
  }
  accel={121;110;}
  aclpnt={1;1;}
  allow={4368;2}
  Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
&accel;&aclpnt;&tbox;&helpmsg;&allow)
```

```
ENDSwitch
```

```
EndWhile
```

```
ENDPROC
```

```

//*****
//
// PROCEDURE: FileSaveDlgProc
//
//*****
PROCEDURE FileSaveDlgProc()
    x1={ 2;59;}
    x2={ 71;66;}
    y1={ 9;15;}
    y2={ 9;15;}
    hotkey={49;-8182;}
    hotpnt={1;1;}
    helpmsg={ "► Choose [Bold On]OK[Bold Off] after entering a filename.";
              "          ";
            }
    tbox={"► Type a filename and press [Bold On]Enter.";
         "          ";
        }
    Result=0 SaveScrn=0
    While(?Dialog = 47)
        If(Result = "Hint")
            hbox={ "Good filenames are descriptive and, therefore, easily";
                  "remembered. The following rules govern the naming of";
                  "files:";
                  """;
                  " • The name must be from one to eight characters in";
                  " length and may have an extension of up to three";
                  " characters.";
                  """;
                  " • Do not use the following symbols in a filename:";
                  " [ ] | < > = + ; , ? *";
                  """;
                  " • Use a period to separate the name from the extension.";
                  """;
                  " • You cannot use a blank or a space in the filename.";
                  """;
                  " • Mix letters, numbers and symbols as desired (for example,";
                  " NAMES_1.SEC is a valid filename).";
                  """;
            }
            Hint=Hint(&hbox;-99;-99;3)
        Endif

    Switch(?DialogControl)

        CaseOf 195:          //Filename text entry

```



```

info={195;
    47;
    1;
    DefTitle;
    17;
    18;
    4;
    "Coach";
    1;
    1;
}
accel={-8148;-8156;-8152;-8155;-8153;} //Don't allow
aclpnt={2;2;2;2;2} //these func keys
HotElement=1
Result=WinEdControl(&info;&x1;&x2;&y1;&y2;&hotkey;
&hotpnt;&accel;&aclpnt;&tbox;&helpmsg)

```

CaseOf 0: //Ok button

```

info={0;
    47;
    1;
    DefTitle;
    17;
    18;
    4;
    "Coach";
    1;
    0;
}
accel={49;102;}
aclpnt={0;0;}
Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
&accel;&aclpnt;&tbox;&helpmsg)

```

DEFAULT:

```

info={?DialogControl;
    47;
    1;
    DefTitle;
    17;
    18;
    4;
    "Coach";
    1;
    0;
}

```

```
accel={49;102;}
aclpnt={1;1;}
allow={195;0}
Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
&accel;&aclpnt;&tbox;&helpmsg;&allow)
```

```
ENDSwitch
```

```
EndWhile
```

```
ENDPROC
```

```

//*****
//
//  PROCEDURE: ExitWpProc
//
//*****
PROCEDURE ExitWpProc()
  x1={ 36;}
  x2={ 41;}
  y1={ 13;}
  y2={ 13;}
  hotkey={110;}
  hotpnt={1;}
  helpmsg={  "► Choose [Bold On]No";
            "                "};
  tbox={  "Answer [Bold On]No[Bold Off] to continue in WordPerfect.";
        "                "};
}
Result=0 SaveScrn=0
While(?Dialog = 494)
  If(Result = "Hint")
    hbox={  "Hints go here."}
    Hint=Hint(&hbox;-99;-99;3)
  Endif

  Switch(?DialogControl)

    CaseOf 3942:      //No button
      info={3942;
            494;
            1;
            DefTitle;
            20;
            16;
            0;
            "Coach";
            1;
            0;
            }
      accel={110;}
      acpnt={1;}
      Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
        &accel;&acpnt;&tbox;&helpmsg)

  DEFAULT:
    info={?DialogControl;
          494;

```

```
1;  
DefTitle;  
20;  
16;  
0;  
"Coach";  
1;  
0;  
}  
accel={110;}  
aclpnt={1;}  
allow={3942}  
Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;  
&accel;&aclpnt;&tbox;&helpmsg;&allow)  
ENDSwitch  
EndWhile  
ENDPROC
```

```

//*****
//
//  PROCEDURE: ExitDocProc
//
//*****
PROCEDURE ExitDocProc()
  x1={ 32;41;49;}
  x2={ 38;46;56;}
  y1={ 15;15;15;}
  y2={ 15;15;15;}
  hotkey={121;110;-8182;}
  hotpnt={1;1;1;}
  helpmsg={  "Make your choice";
            "";}
  tbox={  "► Answer [Bold On]No[Bold Off] to remain in the document.";
        " ";
        }
  Result=0 SaveScrn=0
  While(?Dialog = 270)
    If(Result = "Hint")
      hbox={  "Hints go here."}
      Hint=Hint(&hbox;-99;-99;3)
    Endif

    Switch(?DialogControl)

      CaseOf 1088:
        info={1088;
              270;
              1;
              DefTitle;
              10;
              16;
              4;
              "Coach";
              1;
              0;
              }
        accel={110;}
        aclpnt={1;}
        Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
                              &accel;&aclpnt;&tbox;&helpmsg)

      CaseOf 1089:
        info={1089;
              270;

```

```
1;  
DefTitle;  
10;  
16;  
4;  
"Coach";  
1;  
0;  
}  
accel={121;}  
aclpnt={1;}  
Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;  
&accel;&aclpnt;&tbox;&helpmsg)
```

CaseOf 1:

```
info={1;  
270;  
1;  
DefTitle;  
10;  
16;  
4;  
"Coach";  
1;  
0;  
}  
accel={110;121;}  
aclpnt={1;1;}  
Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;  
&accel;&aclpnt;&tbox;&helpmsg)
```

DEFAULT:

```
info={?DialogControl;  
270;  
1;  
DefTitle;  
10;  
16;  
4;  
"Coach";  
1;  
0;  
}  
accel={110;121;}  
aclpnt={1;1;}  
allow={1088;1089;1}
```

```
Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;  
&accel;&aclpnt;&tbox;&helpmsg;&allow)
```

```
ENDSwitch
```

```
EndWhile
```

```
ENDPROC
```

```
//*****  
//  
// PROCEDURE: NotFoundCoach  
//  
//*****  
PROCEDURE NotFoundCoach()  
    SHOWCOLOR(Off!)  
    tbox={ "Not Found "  
        "";  
    }  
    Result=MessageBox("",&tbox;1)  
    SHOWCOLOR(On!)  
ENDPROC
```



```

//*****
//
// PROCEDURE: CancelCoach
//
//*****
PROCEDURE CancelCoach()
  If(?Dialog = 2)
    CancelMenus()
  Else
    If(?Dialog=36)
      tbox={  "";
            "  Quit Coach?  ";
            "";
            }
      If(MessageBox("Coach";&tbox;5) = 1)
        QuitCoach()
      Endif
    Else
      If(?Dialog <> -1 and CancelMsg)
        CancelKey
      Else
        tbox={  "";
              "  Quit Coach?  ";
              "";
              }
        If(MessageBox("Coach";&tbox;5) = 1)
          QuitCoach()
        Endif
      Endif
    Endif
  Endif
//*****
// The next command is a remedy for a bug
//*****

  If(Exists(BugFix))
    PosCharNext
    PosCharPrevious
    DISCARD(BugFix)
  Endif

//*****
//*****

ENDPROC

```

```
//*****  
//  
// PROCEDURE: QuitCoach  
//  
//*****  
PROCEDURE QuitCoach()  
    While(?Substructure)  
        SubstructureExit  
    Endwhile  
    While (?Dialog=36)  
        Close  
    Endwhile  
    CancelMenus()  
    CancelDialogs()  
    WindowMaximize  
    RestoreStates()  
    Quit  
ENDPROC
```

```

//*****
//
//  PROCEDURE: SetBoxSize
//
//*****
PROCEDURE SetBoxSize()
    w=StrLen(tbox[1])           // Determine box size
    tst=StrLen(title)
    If(tst>w)
        w=tst
    EndIf
    ForNext(x;2;tbox[0])
        tst=StrLen(tbox[x])
        If(tst>w)
            w=tst
        EndIf
    EndFor
    h=tbox[0]
    w=w+4 h=h+4
ENDPROC

```

```
//*****  
//  
//  PROCEDURE: PleaseWait  
//  
//*****  
PROCEDURE PleaseWait()  
    Display(Off!)  
    tbox={    "";  
            "Please Wait...";  
            "";  
        }  
    Result=MessageBox("Coach",&tbox;0)  
ENDPROC
```

```
//*****  
//  
//  PROCEDURE: CheckColorSet  
//  
//*****  
PROCEDURE CheckColorSet()  
  Global(ColorSet)  
  Display(Off!)  
  DlgInput(On!)  
  ScreenDlg  
  GotoDlg  
  Type("2")  
  If(?Entry = 1)  
    ColorSet=1  
  Else  
    ColorSet=0  
  Endif  
  CancelKey  
  Display(On!)  
ENDPROC
```

```

//*****
//
//  PROCEDURE: ColorScheme
//
//*****
PROCEDURE ColorScheme()
  If(?Substructure)
    Beep
    tbox={  "";
          "Please return to a normal document";
          "screen then restart this coach.";
          "";
        }
    Result=MessageBox("Coach",&tbox;1)
    Quit
  EndIf
  If(Not Exists(ColorSet))
    CheckColorSet()
  Endif
  Error(On!)
  If(ColorSet = 1)
    OnError(TextDefaultScheme)
    ColorSchemeCreate("[WP Coach]")
    ColorSchemeAssign("[WP Coach]";20;248)
    ColorSchemeAssign("[WP Coach]";24;244)
    ColorSchemeAssign("[WP Coach]";22;242)
    ShowColor(On!;"[WP Coach]")
    Error(Off!)
    Break

    Label(TextDefaultScheme)
    Display(Off!)
    DlgInput(On!)
    TextScreenOptionsDlg
    Type("2")
    If(?Entry = "[WP Coach]")
      ShowColor(On!;"[Gettysburg]")
    Else
      ShowColor(On!;"[WP Coach]")
    Endif
    CancelDialogs()
    DlgInput(Off!)
  Else
    OnError(GraphDefaultScheme)
    GraphicsColorsCreate("[WP Coach]")
    GraphicsColorsAssign("[WP Coach]";DlgActiveTitle!;0;127;0)
  EndIf
EndProc

```

```
GraphicsColorsAssign("[WP Coach"];DlgBackground!;255;255;175)
GraphicsColorsAssign("[WP Coach"];DlgBoldTextColor!;191;0;0)
ShowColor(On!;"[WP Coach]")
Error(Off!)
Break
```

```
Label(GraphDefaultScheme)
Display(Off!)
DlgInput(On!)
GraphicsScreenOptionsDlg
Type("2")
If(?Entry = "[WP Coach]")
    ShowColor(On!;"[WP Default]")
Else
    ShowColor(On!;"[WP Coach]")
Endif
CancelDialogs()
DlgInput(Off!)
```

```
Endif
Error(Off!)
Display(On!)
```

```
ENDPROC
```

```
//*****  
//  FUNCTIONS  
//*****
```



```

//*****
//
// FUNCTION: PostIt
//
//*****
FUNCTION PostIt(Title;&tbox;xpos;ypos;Modal;Buttons;Steps)
  Global(xposS1;xposS2;xposH1;xposH2;xposQ1;xposQ2;yposS1;yposQ1)
  Look(Key)
  While(Key <> 0)
    Look(Key)
  EndWhile

  w=StrLen(tbox[1])
  tst=StrLen(Title)
  If(tst > w)
    w=tst
  Endif
  If(Steps)
    If((12+StrLen(StepText)) > w)
      w=StrLen(StepText)+12
    Endif
  Endif
  ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
      w=tst      // w = width of inside of box
    Endif
  Endfor
  If(Steps = 0 and Buttons = 0)
    h=tbox[0]+2
  Else
    If(Steps = 0)
      h=tbox[0]+3
    Else
      h=tbox[0]+5 // h = height of inside of box
    Endif
  Endif
  w=w+4
  If(Buttons > 0 and Buttons < 5)
    If(Buttons = 1)
      If(w < 18)
        w=18
      Endif
    Else
      If(w < 32)
        w=32
      Endif
    Endif
  Endif

```

```

        Endif
    Endif
Else
    If(Buttons = 5)
        If(w < 52)
            w=52
        Endif
    Endif
Endif
If(Buttons = 6)
    h=h+2
EndIf

If(Modal)
    If(xpos = -99 and ypos = -99)
        DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;
            ;;w;h)
    Else
        If(xpos <> -99 and ypos = -99)
            DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;
                xpos;;w;h)
        Else
            If(xpos = -99 and ypos <> -99)
                DlgCreate(Result;Title;
                    DlgNoOk!+DlgNoCancel!;
                    ;ypos+ScrnMode;w;h)
                xpos=40-w/2
            Else
                DlgCreate(Result;Title;
                    DlgNoOk!+DlgNoCancel!;
                    xpos;ypos+ScrnMode;w;h)
            Endif
        Endif
    Endif
Else
    If(xpos = -99 and ypos = -99)
        DlgCreate(Result;Title;DlgInactive!+DlgNoClear!+
            DlgNoOk!+DlgNoCancel!;
            ;;w;h)
    Else
        If(xpos <> -99 and ypos = -99)
            DlgCreate(Result;Title;
                DlgInactive!+DlgNoClear!+
                DlgNoOk!+DlgNoCancel!;
                xpos;;w;h)
        Else

```

```

    If(xpos = -99 and ypos <> -99)
        DlgCreate(Result;Title;DlgInactive!+DlgNoClear!+
            DlgNoOk!+DlgNoCancel!;
            ;ypos+ScrnMode;w,h)
        xpos=40-w/2
    Else
        DlgCreate(Result;Title;
            DlgInactive!+DlgNoClear!+
            DlgNoOk!+DlgNoCancel!;
            xpos;ypos+ScrnMode;w,h)
    Endif
Endif
Endif
Endif
If(Buttons = 1)
    DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";;w-15;h-2)
    DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";;w-15;h-2)

    xposS1=0
    xposS2=0

    xposH1=0
    xposH2=0

    xposQ1=xpos+w-15
    xposQ2=xpos+w-4

    yposS1=ypos+h-2
Else
    If(Buttons = 2 or Buttons = 3)
        If(Buttons = 2)
            DlgControl(CtrlPushButton!;" Show Me ";;w-29;h-2)

            DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";;w-15;h-2)

            xposS1=xpos+w-29
            xposS2=xpos+w-18

            xposH1=0
            xposH2=0

            xposQ1=xpos+w-15
            xposQ2=xpos+w-4

            yposS1=ypos+h-2
            ShowPosition(xposS1+3;yposS1+ScrnMode)
        Endif
    Endif
Endif

```

Else

DlgControl(CtrlPushButton!;" Show Me ";StyGray!;w-29;h-2)

DlgControl(CtrlPushButton!;"Quit...Esc";StyGray!;w-15;h-2)

xposS1=0

xposS2=0

xposH1=0

xposH2=0

xposQ1=0

xposQ2=0

yposS1=0

Endif

Else

If(Buttons = 4)

DlgControl(CtrlPushButton!;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)

DlgControl(CtrlPushButton!;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)

DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";;w-15;h-2)

xposS1=0

xposS2=0

xposH1=xpos+w-29

xposH2=xpos+w-18

xposQ1=xpos+w-15

xposQ2=xpos+w-4

yposS1=ypos+h-2

Else

If(Buttons = 5)

DlgControl(CtrlPushButton!;"Show Me...[Bold On]Ctrl+S[Bold Off]";;w-49;h-2)

DlgControl(CtrlPushButton!;"Show Me...[Bold On]Ctrl+S[Bold Off]";;w-49;h-2)

DlgControl(CtrlPushButton!;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)

DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";;w-15;h-2)

xposS1=xpos+w-49

xposS2=xpos+w-32

xposH1=xpos+w-29

```

xposH2=xpos+w-18

xposQ1=xpos+w-15
xposQ2=xpos+w-4

yposS1=ypos+h-2
Else
  If(Buttons = 6)
    DlgControl(CtrlPushButton!;;
      "Show Me...[Bold On]Ctrl+S[Bold Off]";;w-20;h-4;10;1)
    DlgControl(CtrlPushButton!;;
      "Show Me...[Bold On]Ctrl+S[Bold Off]";;w-20;h-4;10;1)

    DlgControl(CtrlPushButton!;;
      " Quit...[Bold On]Esc[Bold Off] ";;w-20;h-2;10;1)

    xposS1=xpos+w-20
    xposS2=xpos+w-3
    yposS1=ypos+h-4

    xposQ1=xpos+w-20
    xposQ2=xpos+w-3
    yposQ1=ypos+h-2
  Else
    xposS1=-1
    xposS2=-1

    xposH1=-1
    xposH2=-1

    xposQ1=-1
    xposQ2=-1

    yposS1=-1
  Endif
Endif
Endif
Endif
If(Steps)
  DlgControl(CtrlLabel!;;
    "[Bold On]Step "+StepNum+" - "+StepText+"[Bold Off]";;2;1;1)
  ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x+2;w-1;1)
  Endfor
Else

```

```
ForNext(x;1;tbox[0])
  DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
Endfor
Endif
DlgEnd
Return(Result)
ENDFUNC
```

```
//*****  
//  
//  FUNCTION: NoBlock  
//  
//*****  
FUNCTION NoBlock()  
    tbox={          "Nothing is blocked.";  
                " ";  
                }  
    Result=MessageBox(DefTitle;&tbox;1)  
    Return(Result)  
ENDFUNC
```

```
//*****  
//  
//  FUNCTION: NoSelect  
//  
//*****  
FUNCTION NoSelect()  
    Result=1  
    If(?LeftCode = -11241)  
        tbox={          "Block is on, but no text";  
                    "has been selected.";  
                    "";  
                }  
        Result=MessageBox("Coach",&tbox;1)  
    Endif  
    Return(Result)  
ENDFUNC
```



```

//*****
//
//  FUNCTION: MessageBox
//
//*****
FUNCTION MessageBox(Title;&tbox;Buttons)
  Look(Key)
  While(Key <> 0)
    Look(Key)
  EndWhile

  w=StrLen(tbox[1])
  tst=StrLen(Title)
  If(tst > w)
    w=tst
  Endif
  ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
      w=tst      // w = width of inside of box
    Endif
  Endfor
  h=tbox[0]      // h = height of inside of box
  w=w+4
  If(Buttons)
    h=h+3
  Else
    h=h+2
  Endif
  If(Buttons = 1)
    DlgCreate(Result;Title;DlgNoCancel!;;w;h)
  Else
    If(Buttons = 2)
      DlgCreate(Result;Title;;;w;h)
    Else
      If(Buttons = 0)
        DlgCreate(Result;Title;DlgNoCancel!+DlgNoOk!+
          DlgInactive!+DlgNoClear!;
          ;;w;h)
      Else
        If(w < 26)
          w=26
        Endif
        DlgCreate(Result;Title;DlgNoCancel!+DlgNoOk!;
          ;;w;h)
      Endif
    Endif
  Endif

```

```
    Endif
Endif
If(Buttons = 3)
    DlgControl(CtrlPushbutton!;" ~Yes ";;w-23;h-2)
    DlgControl(CtrlPushbutton!;" ~No ";;w-12;h-2)
Endif
If(Buttons = 4)
    DlgControl(CtrlPushbutton!;" ~Yes ";;w-35;h-2)
    DlgControl(CtrlPushbutton!;" ~No ";;w-24;h-2)
    DlgControl(CtrlPushbutton!;"Quit...[Bold On]Esc[Bold Off]";StyCancel!;w-13;h-2)
Endif
If(Buttons = 5)
    DlgControl(CtrlPushbutton!;" ~Yes ";;w-23;h-2)
    DlgControl(CtrlPushbutton!;" ~No ";;StyDefault!;w-12;h-2)
Endif
If(Buttons = 6)
    DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";StyCancel!;w-15;h-2)
Endif
If(Buttons = 7)
    DlgControl(CtrlPushButton!;"Continue";;w-13;h-2)
Endif
If(Buttons = 8)
    DlgControl(CtrlPushButton!;" ~Continue ";;w-30;h-2)
    DlgControl(CtrlPushButton!;"Quit...[Bold On]Esc[Bold Off]";StyCancel!;w-15;h-2)
Endif
ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
Endfor
DlgEnd
Return(Result)
ENDFUNC
```

```

//*****
//
// FUNCTION: HotSpot
//
//*****
FUNCTION HotSpot(xpos1;ypos1;xpos2;ypos2;AltKey;&funkey;Execute)
  Global(ChkMenu)
  ChkMenu=1
  If(funkey[1] = -1)
    funkey[0]=0
  Endif

  DlgInput(On!)
  Show=0
  Look(Key)
  While(Key <> 0)
    Look(Key)
  EndWhile

  Cancel(On!)
  OnCancel Call(CancelCoach)

  While(1)
    Char(Key)
    If(Key = -8182)      // Enter key
      Show=1
      // Show menu
      Break
    Endif
    If(Key = -768)
      If(?MouseLeft)
        and (?MouseLastX >= xpos1 and ?MouseLastX <= xpos2)
        and (?MouseLastY >= ypos1 and ?MouseLastY <= ypos2))
          // Hotspot
          If(Execute)
            Type(ntoc(Key))
            Show=?DialogControl
          Endif
          While(?MouseLeft)
            EndWhile
          Break
        Else
          If(?MouseLastY = (yposS1 + ScrnMode))
            If((?MouseLastX >= xposS1) and (?MouseLastX <= xposS2))
              // Show button
              Show=1
            Endif
          Endif
        Endif
      Endif
    Endif
  EndWhile

```

```

        While(?MouseLeft)
        EndWhile
        Break
    Else
        If((?MouseLastX >= xposH1) and (?MouseLastX <= xposH2))
            Show=2
            While(?MouseLeft)
            EndWhile

            Break
        Else
            If((?MouseLastX >= xposQ1) and (?MouseLastX <= xposQ2))
                While(?MouseLeft)
                EndWhile
                CancelCoach()
            Endif
        Endif
    Endif
Endif
Endif
Endif
If(Key = AltKey)
    // Accelerator key
    Show=AltKey
    // Accel menu
    Break
Endif
If(funkey[0] <> 0)
    If(Filter(&funkey;Key;2))
        Show=Key
        // Execute function key
        Break
    Endif
Endif
If(Key = -8085) // Alt+Equal keys
    PullDownDlg
    Show=Key
    // Choose menu
    Break
Endif
EndWhile
Cancel(Off!)
Return(Show)
ENDFUNC

```

```

//*****
//
//  FUNCTION: DoEdit
//
//*****
FUNCTION DoEdit(EnableMouse;&chkcode;&keypress)
  Global(Element)
  If(keypress[1] = -1)
    keypress[0]=0
  Endif
  If(chkcode[1] = -1)
    chkcode[0]=0
  Endif

  Switch(FakeBtns)

  CaseOf 3:
    Lft1a=45 Lft1b=59
    Lft2a=62 Lft2b=76
    Lft3a=0 Lft3b=0

  CaseOf 4:
    Lft1a=45 Lft1b=59
    Lft2a=62 Lft2b=76
    Lft3a=25 Lft3b=42

  CaseOf 5:
    Lft1a=45 Lft1b=59
    Lft2a=62 Lft2b=76
    Lft3a=28 Lft3b=42

  CaseOf 6:
    Lft1a=0 Lft1b=0
    Lft2a=62 Lft2b=76
    Lft3a=42 Lft3b=59

  CaseOf 7:
    Lft1a=0 Lft1b=0
    Lft2a=62 Lft2b=76
    Lft3a=45 Lft3b=59

  CaseOf 8:
    Lft1a=0 Lft1b=0
    Lft2a=62 Lft2b=76
    Lft3a=0 Lft3b=0

```

DEFAULT:

Lft1a=51 Lft1b=62

Lft2a=65 Lft2b=76

Lft3a=0 Lft3b=0

ENDSwitch

Look(Key)

While(Key <> 0)

 Look(Key)

EndWhile

NotFound(On!)

OnNotFound Call(NotFoundCoach)

Cancel(On!)

OnCancel Call(CancelCoach)

While(1)

 Char(Key)

 If(Key = -768)

 If((?MouseLastY < AreaHgt and ?MouseLastY > 1)

 and (?MouseLastX > 0 and ?MouseLastX < 79)

 and (EnableMouse) and (?MouseRightClick = 0))

 Type(ntoc(Key))

 Else

 If((?MouseLastX >= Lft1a) and (?MouseLastX <= Lft1b) and
 (?MouseLastY = (23+ScrnMode)))

 Result=NoSelect()

 If(Result <> 2 and FakeBtns)

 Key=1

 Break

 Endif

 Else

 If((?MouseLastX >= Lft2a) and (?MouseLastX <= Lft2b) and
 (?MouseLastY = (23+ScrnMode)))

 Call(CancelCoach)

 Else

 If((?MouseLastX >= Lft3a) and (?MouseLastX <= Lft3b) and
 (?MouseLastY = (23+ScrnMode)))

 Key=3

 Break

 Else

 While(?MouseLeft)

 EndWhile

```

        Endif
    Endif
Endif
Else
If(Key <> -8154 and Key <> -8146 and Key <> -8142 and Key <> -8139 and
Key <> -8124 and Key <> -8050 and Key <> -8160 and Key <> -8140 and
Key <> -8118 and Key <> -8115)
    // F7, Shft+F3, Shft+F7, Shft+F10
    // Ctrl+F1, Ctrl+S, Esc, Shft+F9, Ctrl+F7, Ctrl+F10
    If(Key = -8112 and chkcode[0] <> 0)
        If(CodeFilter(&chkcode;?LeftCode))
            DeleteCharPrevious
            Key=chkcode[Element]
            Break
        Endif
    Endif
    If(Key = -8111 and chkcode[0] <> 0)
        If(CodeFilter(&chkcode;?RightCode))
            DeleteCharNext
            Key=chkcode[Element]
            Break
        Endif
    Endif
    Type(ntoc(Key))
Endif
Endif
If(?BlockActive)
    BlockOff
Endif
If(keypress[0] <> 0)
    Result=Filter(&keypress;Key;1)
    If(Result)
        Key=keypress[Result]
        Break
    Endif
Endif
If(FakeBtns = 4 or FakeBtns = 6)
    If(Key = -8050 and ?Dialog = -1) // Ctrl+S
        Key=3
        Break
    Endif
Endif
If(FakeBtns = 5 or FakeBtns = 7)
    If(Key = -8158 and ?Dialog = -1) // F1 Key
        Key=3
    Endif
Endif

```

Break
Endif

Endif
EndWhile
NotFound(Off!)
Cancel(Off!)
Return(Key)

ENDFUNC


```

//*****
//
//  FUNCTION: MenuBarControl
//
//*****
FUNCTION MenuBarControl(Title;&hbox1;&sbox;xpos;ypos;MnuLtr;&funkey)
  Global(ChkMenu;Element)
  ChkMenu=1
  If(sbox[1]=-1)
    sbox[0]=0
  Endif
  If(funkey[1] = -1)
    funkey[0]=0
  Endif

  Cancel(On!)
  OnCancel Call(CancelCoach)
  If(MnuLtr < 91)
    MnuLtr=MnuLtr + 32
  Endif
  Switch(MnuLtr)

  CaseOf 102:      // (F)ile
    allow={      310;
              321;
            }
    FileMenu(&valid)

  CaseOf 101:      // (E)dit
    allow={      1476;
              1477;
            }
    EditMenu(&valid)

  CaseOf 118:      // (V)iew
    allow={      1503;
              1504;
            }
    ViewMenu(&valid)

  CaseOf 108:      // (L)ayout
    allow={      1532;
              1533;
            }
    LayoutMenu(&valid)

```

```
CaseOf 116:      // (T)ools
  allow={        0;
            1597;
  }
  ToolsMenu(&valid)
```

```
CaseOf 111:      // F(o)nt
  allow={        1656;
            1657;
  }

  FontMenu(&valid)
```

```
CaseOf 103:      // (G)raphics
  allow={        1868;
            0;
  }
  GraphicsMenu(&valid)
```

```
CaseOf 119:      // (W)indow
  allow={        3522;
            3569;
  }
  WindowMenu(&valid)
```

```
CaseOf 104:      // (H)elp
  allow={        3708;
            4198;
  }
  HelpMenu(&valid)
```

ENDSwitch

```
MenuBar(&bar)
MenuPop(&pop)
```

```
Count=0 Option=-1 LineDown=0 ScrnRestore=0
While(?Dialog = 2)
  Char(Key)
  FunKeyFlag=0
  If(ScrnRestore)
    SHOWCODE(RestoreScreen!)
    ScrnRestore=0
  Endif
  Option=-1
  If(Key = -768)
```

```

If(?MouseLeft)
  Type(ntoc(Key))
  Option=?DialogControl
Else
  If(Filter(&bar;0;0))
    If(?MouseLastY <> 0 and bar[Element] = ?DialogControl)
      CancelMenus()
      Option=-1
      Break
    Endif
    LineDown=1
  Endif
  If(Filter(&valid;0;0))
    Option=?DialogControl
    If(Filter(&bar;0;0))
      PosLineDown
    Endif
    Break
  Else
    Count=Count+1
    If(LineDown)
      PosLineDown
      LineDown=0
    Else
      If(Filter(&pop;0;0))
        PosCharNext

        Endif
      Endif
    Endif
  Endif
Else
  If(Key = -8169 or Key = -8166 or Key = -8167 or
  Key = -8168)
    Type(ntoc(Key))
    If(Filter(&allow;0;0))
      Option=?DialogControl
      Break
    Endif
  Endif
  If(Key = MnuLtr)
    Type(ntoc(Key))
    Option=Key
    Break
  Endif
  If(Key = -8182)

```

```

    If(Filter(&bar;0;0))
        HardReturn
        If(Filter(&allow;0;0))
            Option=?DialogControl
            Break
        Else
            Count=Count+1
        Endif
    Else
        Count=Count+1
    Endif
Endif
Endif
If(funkey[0] <> 0)
    If(Filter(&funkey;Key;2))
        CancelMenus()
        DisplayRewrite
        Type(ntoc(Key))
        // Execute function key
        Option=Key
        FunKeyFlag=1
        Break
    Endif
Endif
If(Count > 1)
    SHOWCODE(SaveScreen!)
    Result=MessageBox("Coach";&hbox1;0)
    Wait(5)
    ScrnRestore=1
    Count=0
Endif
EndWhile
Cancel(Off!)
If(sbox[0] <> 0 and Option <> -1 and FunKeyFlag = 0)
    Result=PostIt(Title;&sbox;xpos;ypos;0;0;0)
Endif
Return(Option)
ENDFUNC

```

```

//*****
//
//  FUNCTION: MenuControl
//
//*****
FUNCTION MenuControl(&hbox1;&hbox2;&hbox3;&valid;&allow;&exallow;&accel;&exaccel;
    &subval;&subacl;&exsubacl;&subs;&funkey)
Global(Element)

If(subs[1] = -1)
    subs[0]=0
Endif
If(funkey[1] = -1)
    funkey[0]=0
Endif

Look(Key)
While(Key <> 0)
    Look(Key)
EndWhile

Cancel(On!)
OnCancel Call(CancelCoach)

MenuBar(&bar)
MenuPop(&pop)

subassgn[0]=0
AssignedSubs(&subassgn;valid[1])

If(ChkMenu)
    If(Filter(&bar;0;0))
        PosLineDown
    Else
        Execute=DlgFilter(&allow;&exallow)
        If(Execute)
            Option=?DialogControl
            If(Execute = 2)
                HardReturn
                DisplayRewrite
            Endif
            Break
        Else
            If(Filter(&subs;0;0))
                HardReturn
            Endif
        Endif
    Endif
Endif

```

```

        Endif
    Endif
Endif
Endif

Count=0 Option=-1 LineDown=0 ScrnRestore=0
While(?Dialog = 2)
    Char(Key)
    If(ScrnRestore)
        SHOWCODE(RestoreScreen!)
        ScrnRestore=0
    Endif
    Option=-1
    If(Key = -768)
        If(?MouseLeft)
            Type(ntoc(Key))
            Option=?DialogControl
        Else
            If(Filter(&bar;0;0))
                If(?MouseLastY <> 0 and bar[Element] = ?DialogControl)
                    CancelMenus()
                    Option=-1
                    Break
                Endif
                LineDown=1
            Endif
            Execute=DlgFilter(&allow;&exallow)
            If(Execute)
                Option=?DialogControl
                If(Execute = 2)
                    HardReturn
                    DisplayRewrite
                Endif
                Break
            Else
                Count=Count+1
                If(LineDown)
                    PosLineDown
                    LineDown=0
                Else
                    If(Filter(&pop;0;0))
                        PosCharNext
                    Endif
                Endif
            Endif
        Endif
    Endif
Endif

```

```

Else
  If(Key = -8169 or Key = -8166 or Key = -8167 or
  Key = -8168)
    Type(ntoc(Key))
  Else
    If(Key = -8182) // Enter key
      Execute=DlgFilter(&allow;&exallow)
      If(Execute)
        Option=?DialogControl
        If(Execute = 2)
          HardReturn
          DisplayRewrite
        Endif
        Break
      Else
        If(Filter(&subs;0;0))
          HardReturn
        Else
          Count=Count+1
        Endif
      Endif
    Else
      If(Key > 31 and Key < 127)
        If(Filter(&valid;0;0))
          Execute=KeyFilter(&accel;Key;&exaccel)
          If(Execute)
            Option=Key
            If(Execute = 2)
              Type(ntoc(Key))
            Endif
            If(subs[0] = 0)
              Break
            Endif
          Else
            Count=Count+1
          Endif
        Else
          If(subs[0])
            If(Filter(&subval;0;0))
              Execute=KeyFilter(&subacl;Key;&exsubacl)
              If(Execute)
                Option=Key
                If(Execute = 2)
                  Type(ntoc(Key))
                  DisplayRewrite
                Endif
              Endif
            Endif
          Endif
        Endif
      Endif
    Endif
  Endif

```

```

                Break
            Else
                Count=Count+1
            Endif
        Else
            Count=Count+1
        Endif
    Else
        Count=Count+1
    Endif
Endif
Endif
Endif
Endif
If(funkey[0] <> 0)
    If(Filter(&funkey;Key;2))
        CancelMenus()
        DisplayRewrite
        Type(ntoc(Key))
        // Execute function key
        Option=Key
        Break
    Endif
Endif
If(Count > 1)
    SHOWCODE(SaveScreen!)
    If(Filter(&subval;0;0))
        Result=MessageBox("Coach";&hbox3;0)
    Else
        If(Filter(&subassgn;0;0))
            Result=MessageBox("Coach";&hbox2;0)
        Else
            If(Filter(&valid;0;0))
                Result=MessageBox("Coach";&hbox2;0)
            Else
                Result=MessageBox("Coach";&hbox1;0)
            Endif
        Endif
    Endif
Endif
Wait(5)
ScrnRestore=1
Count=0
Endif
EndWhile
Cancel(Off!)

```



```
Return(Option)  
ENDFUNC
```

```

//*****
//
// FUNCTION: ButtonControl
//
//*****
FUNCTION ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;&accel;&aclpnt;&tbox;&helpmsg)
    Global(Element)
    If(SaveScrn=0 and info[9])
        SHOWCODE(SaveScreen!)
        SaveScrn=1
    Endif
    Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)

    CancelMsg=0
    Cancel(On!)
    OnCancel Call(CancelCoach)

    Look(Key)
    While(Key <> 0)
        Look(Key)
    EndWhile

    If(accel[1]=-1)
        accel[0]=0
    Endif

    Count=0
    While(?DialogControl = info[1] and ?Dialog = info[2])
        Char(Key)
        If(Key = -768)
            If(?MouseLeft and XYFilter(&x1;&x2;&y1;&y2))
                Type(ntoc(Key))
                While(?MouseLeft)
                    EndWhile
                    If(hotpnt[Element] = 2)
                        Wait(5)
                        If(?MouseLeftDouble)
                            SHOWCODE(RestoreScreen!)
                            HardReturn
                        Endif
                    Endif
                    If(hotpnt[Element] = 1)
                        SHOWCODE(RestoreScreen!)
                    Endif
                    Type(ntoc(hotkey[Element]))
                    If(hotpnt[Element] = 0)

```



```
        Count=Count+1
    Endif
Else
    Count=Count+1
Endif
Endif
Endif
Endif
If(Key = -8158)
    Key="Hint"
    Break
Endif
If(Key = -8050 and xposS1 <> 0)
    Key="Show"
    Break
Endif
If(Count > 1)
    Result=MessageBox(info[8];&helpmsg;1)
    Count=0
Endif
EndWhile
Cancel(Off!)
CancelMsg=1
Return(Key)
ENDFUNC
```

```
*****  
//  
//  FUNCTION: WinEdControl  
//  
*****  
FUNCTION WinEdControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;&accel;&aclpnt;&tbox;&helpmsg)  
  Global(Element)  
  If(SaveScrn=0 and info[9])  
    SHOWCODE(SaveScreen!)  
    SaveScrn=1  
  Endif  
  Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
```

```
*****  
//  The next command is a remedy for a bug  
*****
```

```
If(info[10])  
  PosCharNext  
  PosCharPrevious  
Endif
```

```
*****  
*****
```

```
*****  
//  The next command is a remedy for a bug  
*****
```

```
Global(BugFix)  
BugFix=1
```

```
*****  
*****
```

```
Look(Key)  
While(Key <> 0)  
  Look(Key)  
EndWhile
```

```
If(accel[1]=-1)  
  accel[0]=0  
Endif
```

```
CancelMsg=0
```

Cancel(On!)

OnCancel Call(CancelCoach)

Count=0

While(?DialogControl = info[1] and ?Dialog = info[2])

Char(Key)

If(Key = -768)

If(?MouseDown and XYFilter(&x1;&x2;&y1;&y2))

Type(ntoc(Key))

While(?MouseDown)

EndWhile

If(hotpnt[Element] = 2)

Wait(5)

If(?MouseDownDouble)

SHOWCODE(RestoreScreen!)

HardReturn

Endif

Endif

If(hotpnt[Element] = 1)

SHOWCODE(RestoreScreen!)

Endif

If(Element <> HotElement)

Type(ntoc(hotkey[Element]))

Endif

If(hotpnt[Element] = 0)

Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)

Endif

Else

If(?MouseDownY = (yposS1 + ScrnMode))

If((?MouseDownX >= xposS1) and (?MouseDownX <= xposS2))

Key="Show"

Break

Else

If((?MouseDownX >= xposH1) and (?MouseDownX <= xposH2))

Key="Hint"

Break

Else

If((?MouseDownX >= xposQ1) and (?MouseDownX <= xposQ2))

CancelCoach()

Else

Count=Count+1

Endif

Endif

Endif

Else

```

        Count=Count+1
    Endif
Endif
Else
    If(accel[0] <> 0)
        If(Filter(&accel;Key;1))
            If(aclpnt[Element] = 1)
                If(aclpnt[Element])
                    SHOWCODE(RestoreScreen!)
                Endif
                Type(ntoc(Key))
            Endif
        Else
            If(Key <> -8160)
                Type(ntoc(Key))
            Endif
        Endif
    Else
        If(Key <> -8160)
            Type(ntoc(Key))
        Endif
    Endif
    If(Key = -8182 or Key = -8183)
        If(?Dialog = info[2])
            Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
        Endif

        //*****
        // The next command is a remedy for a bug
        //*****

        If(?DialogControl = info[1] and info[10])
            PosCharNext
        Endif
        //*****
    Endif
Endif
If(Key = -8158)
    Key="Hint"
    Break
Endif
If(Key = -8050 and xposS1 <> 0)
    Key="Show"
    Break
Endif
If(Count > 1)

```

```
        Result=MessageBox(info[8],&helpmsg;1)
        Count=0
    Endif
EndWhile
Cancel(Off!)
CancelMsg=1
Return(Key)
ENDFUNC
```



```

//*****
//
// FUNCTION: LstBxControl
//
//*****
FUNCTION LstBxControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;&accel;&aclpnt;&tbox;&helpmsg)
    Global(Element)
    If(SaveScrn=0 and info[9])
        SHOWCODE(SaveScreen!)
        SaveScrn=1
    Endif
    Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
//*****
// this is a bug fix
//*****
If(info[10] = 2)
    PosLineDown
    PosLineUp
EndIf
//*****
//*****
//*****
// this is a bug fix
//*****
If(info[10] = 3)
    PosLineUp
    PosLineDown
EndIf
//*****
//*****
    CancelMsg=0
    Cancel(On!)
    OnCancel Call(CancelCoach)

    Look(Key)
    While(Key <> 0)
        Look(Key)
    EndWhile

    Count=0
    While(?DialogControl = info[1] and ?Dialog = info[2])
        Char(Key)
        If(Key = -768)
            If(?MouseLeft and XYFilter(&x1;&x2;&y1;&y2))
                Type(ntoc(Key))
                While(?MouseLeft)

```

```

EndWhile
If(hotpnt[Element] = 2)
  Wait(5)
  If(?MouseLeftDouble)
    SHOWCODE(RestoreScreen!)
    HardReturn
    If(?DialogControl = info[1] and ?Dialog = info[2])
      SHOWCODE(SaveScreen!)
      SaveScrn=1
      Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
    Endif
  Endif
Endif
If(hotpnt[Element] = 1)
  SHOWCODE(RestoreScreen!)
Endif
Type(ntoc(hotkey[Element]))
If(hotpnt[Element] = 0)
  Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
Endif
Else
  If(?MouseLastY = (yposS1 + ScrnMode))
    If((?MouseLastX >= xposS1) and (?MouseLastX <= xposS2))
      Key="Show"
      Break
    Else
      If((?MouseLastX >= xposH1) and (?MouseLastX <= xposH2))
        Key="Hint"
        Break
      Else
        If((?MouseLastX >= xposQ1) and (?MouseLastX <= xposQ2))
          CancelCoach()
        Else
          Count=Count+1
        Endif
      Endif
    Endif
  Else
    Count=Count+1
  Endif
Endif
Else
  If(Key = -8182 or Key = -8166 or Key = -8169 or
  Key = -8103 or Key = -8102 or Key = -8184 or
  Key = -8183 or Key = -8098)
    // Enter, Dwn, Up
  Endif
Endif

```

```

// PgUp, PgDwn, Home
// Tab, Shft+Tab
If(Key = -8182 and Info[9])
    SHOWCODE(RestoreScreen!)
Else
    Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
Endif
Type(ntoc(Key))
Else
If(Filter(&accel;Key;1))
    If(aclpnt[Element])
        SHOWCODE(RestoreScreen!)
        Type(ntoc(Key))
    Else
        Type(ntoc(Key))
        Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
    Endif
Else
    Count=Count+1
Endif
Endif
Endif
If(Key = -8158)
    Key="Hint"
    Break
Endif
If(Key = -8050 and xposS1 <> 0)
    Key="Show"
    Break
Endif
If(Count > 1)
    Result=MessageBox(info[8];&helpmsg;1)
    Count=0
Endif
EndWhile
Cancel(Off!)
CancelMsg=1
Return(Key)
ENDFUNC

```

```

//*****
//
//  FUNCTION: InvalidControl
//
//*****
FUNCTION InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;&accel;&aclpnt;&tbox;&helpmsg;
    &allow)
Global(Element)
If(SaveScrn=0 and info[9])
    SHOWCODE(SaveScreen!)
    SaveScrn=1
Endif

Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)

CancelMsg=0
Cancel(On!)
OnCancel Call(CancelCoach)
Look(Key)
While(Key <> 0)
    Look(Key)
EndWhile

Result=0 Count=0
While(1)
    Char(Key)
    If(Key = -768)
        If(?MouseLeft and XYFilter(&x1;&x2;&y1;&y2))
            Type(ntoc(Key))
            While(?MouseLeft)
                EndWhile
            If(hotpnt[Element] = 2)
                Wait(5)
                If(?MouseLeftDouble)
                    SHOWCODE(RestoreScreen!)
                    HardReturn
                Endif
            Endif
            If(hotpnt[Element] = 1)
                SHOWCODE(RestoreScreen!)
            Endif
            Type(ntoc(hotkey[Element]))
            If(hotpnt[Element] = 0)
                Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
            Endif

```

```

Result=2    // Lost control due to mouse click
Break
Else
  If(?MouseLastY = (yposS1 + ScrnMode))

    If((?MouseLastX >= xposS1) and (?MouseLastX <= xposS2))
      Result="Show"
      Break
    Else
      If((?MouseLastX >= xposH1) and (?MouseLastX <= xposH2))
        Result="Hint"
        Break
      Else
        If((?MouseLastX >= xposQ1) and (?MouseLastX <= xposQ2))
          CancelCoach()
        Else
          Count=Count+1
        Endif
      Endif
    Endif
  Else
    Count=Count+1
  Endif
Endif
Else
  If(Key = -8183 or Key = -8098 or Key = -8167 or Key = -8168)
    // Tab, Shft+Tab, Left, Right
    Type(ntoc(Key))
    If(Filter(&allow;0;0))
      Result=1    // Lost control due to Tab key
      Break
    Else
      Result=PostIt(info[4];&tbox;info[5];info[6]+(MsgAdj-ScrnMode);0;info[7];0)
    Endif
  Else
    If((Key = -8166 or Key = -8169) and (info[3] = 1))
      // Up, Down
      Type(ntoc(Key))
      If(Filter(&allow;0;0))
        Result=1    // Lost control due to Tab key
        Break
      Endif
    Else
      If(Filter(&accel;Key;1))
        If(aclpnt[Element])
          SHOWCODE(RestoreScreen!)
        Endif
      Endif
    Endif
  Endif

```

```
        Endif
        Type(ntoc(Key))
        Break // Lost control due to an accelerator key
    Else
        Count=Count+1
    Endif
Endif
Endif
Endif
If(Key = -8158)
    Result="Hint"
    Break
Endif
If(Key = -8050 and xposS1 <> 0)
    Result="Show"
    Break
Endif
If(Count > 1)
    Result=MessageBox(info[8];&helpmsg;1)
    Count=0
Endif
EndWhile
Cancel(Off!)
CancelMsg=1
Return(Result)
ENDFUNC
```

```

//*****
//
//  FUNCTION: OpenDocument
//
//*****
FUNCTION OpenDocument(&tbox)
    Result=0
    Display(On!)
    If(?DocBlank)
        If(tbox[1] = -1)
            tbox={  "The document screen is blank.  Would you";
                    "like to open a file?";
                    "";
                }
        Endif
        Result=MessageBox(DefTitle;&tbox;3)
        If(Result = 1)
            Repeat
                DlgInput(On!)
                FileOpenDlg
                tbox={  "► Type the filename to open.";
                        " -or-";
                        "► Press [Bold On]F5[Bold Off] for File Manager.";
                    }
                Result=PostIt(DefTitle;&tbox;-99;18+(MsgAdj-ScrnMode);0;0;0)
                PosCharNext
                PosCharPrev
                DlgInput(Off!)
                DisplayRewrite
                If(?DocBlank = 0)
                    tbox={  "Is this the document that you want?";
                            "";
                        }
                    Result=MessageBox(DefTitle;&tbox;3)
                    If(Result = 2)
                        ClearDoc
                    Endif
                Else
                    tbox={  "A document has not been opened.";
                            "";
                        }
                    Result=MessageBox(DefTitle;&tbox;1)
                    Result=1
                Endif
            Until(Result = 1)
        Else
    Endif

```

```
        Result=-1
    Endif
Endif
Return(Result)
ENDFUNC
```



```
//*****  
//  
//  FUNCTION: XYFilter  
//  
//*****  
FUNCTION XYFilter(&x1;&x2;&y1;&y2)  
  Result=0  
  ForNext(x;1;x1[0])  
    If((?MouseLastX >= x1[x] and ?MouseLastX <= x2[x]) and  
      (?MouseLastY >= y1[x]+MsgAdj and ?MouseLastY <= y2[x]+MsgAdj))  
      Result=x  
      Element=x  
      Break  
    Endif  
  Endfor  
  Return(Result)  
ENDFUNC
```

```
*****  
//  
//  FUNCTION: Filter  
//  
*****  
FUNCTION Filter(&array;Key;Accel)  
  Result=0  
  ForNext(x;1;array[0])  
    If(Accel = 1)  
      If(Key = array[x] or Key = array[x] - 32)  
        Result=x  
        Element=x  
        Break  
      Endif  
    Else  
      If(Accel = 2)  
        If(Key = array[x])  
          Result=x  
          Element=x  
          Break  
        Endif  
      Else  
        If(?DialogControl = array[x])  
          Result=x  
          Element=x  
          Break  
        Endif  
      Endif  
    Endif  
  Endfor  
  Return(Result)  
ENDFUNC
```

```
/**
 *
 * FUNCTION: CodeFilter
 *
 */
FUNCTION CodeFilter(&array;Code)
  Result=0
  ForNext(x;1;array[0])
    If(code)
      If(Code=array[x])
        Result=x
        Element=x
        Break
      Endif
    Endif
  Endfor
  Return(Result)
ENDFUNC
```

```
*****  
//  
// FUNCTION: KeyFilter  
//  
*****  
FUNCTION KeyFilter(&array;Key;&brk)  
  Result=0  
  ForNext(x;1;array[0])  
    If(Key=array[x] or Key = array[x] - 32)  
      If(brk[x] = 1)  
        Result=2  
      Else  
        Result=1  
      Endif  
      Break  
    Endif  
  Endfor  
  Return(Result)  
ENDFUNC
```

```
//*****  
//  
//  FUNCTION: DlgFilter  
//  
//*****  
FUNCTION DlgFilter(&array;&brk)  
  Result=0  
  ForNext(x;1;array[0])  
    If(?DialogControl = array[x])  
      If(brk[x] = 1)  
        Result=2  
      Else  
        Result=1  
      Endif  
      Break  
    Endif  
  Endfor  
  Return(Result)  
ENDFUNC
```

```

//*****
//
// FUNCTION: DlgMessage
//
//*****
FUNCTION DlgMessage()
    Switch(?ScreenHigh)

CaseOf 24:
    If(?ScreenWide > 80)
        support={ "";
            "Coaches are not supported in";
            (?ScreenWide+1)+"x"+(?ScreenHigh+1)+" column screen mode.";
            "";
            "Please change your settings to";
            "80x25 or 80x50 column screen mode";
            "then restart the coach.";
            "";
        }
        Void=MessageBox("Coach",&support;1)
        QuitCoach()
    Endif
    Result=0

CaseOf 49:
    If(?ScreenWide > 80)
        support={ "";
            "Coaches are not supported in";
            (?ScreenWide+1)+"x"+(?ScreenHigh+1)+" column screen mode.";
            "";
            "Please change your settings to";
            "80x25 or 80x50 column screen mode";
            "then restart the coach.";
            "";
        }
        Void=MessageBox("Coach",&support;1)
        QuitCoach()
    Endif
    Result=12

DEFAULT:
    Beep
    If(ColorSet = 1)
        support={ "";
            "Coaches are not supported in";
            "80x"+(?ScreenHigh+1)+" line screen mode.";

```

```

        "";
        "Please change your settings to";
        "80x25 or 80x50 line screen mode";
        "then restart the coach.";
        "";
    }
Else
    If(?ScreenHigh = 35)
        support={ "";
            "Coaches are not supported in";
            "1024x768 graphics screen mode.";
            "";
            "Please change your settings to";
            "640x480 screen mode then";
            "restart the coach.";
            "";
        }
    Else
        support={ "";
            "Coaches are not supported in";
            "800x600 graphics screen mode.";
            "";
            "Please change your settings to";
            "640x480 screen mode then";
            "restart the coach.";
            "";
        }
    Endif
Endif
Void=MessageBox("Coach",&support;1)
QuitCoach()

ENDSwitch
Return(Result)
ENDFUNC

```

```

//*****
//
// FUNCTION: Welcome
//
//*****
FUNCTION Welcome(Title;&tbox)
  w=StrLen(tbox[1])
  If(w < 30)
    w=30
  Endif

  tst=StrLen(Title)
  If(tst > w)
    w=tst
  Endif
  ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
      w=tst      // w = width of inside of box
    Endif
  Endfor
  h=tbox[0]      // h = height of inside of box
  w=w+4 h=h+4

  DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;;w;h)
  DlgControl(CtrlPushButton!;;" Continue ";;w-33;h-2)
  DlgControl(CtrlPushButton!;;" Quit...[Bold On]Esc[Bold Off] ";StyCancel!;w-17;h-2)
  ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
  Endfor
  DlgEnd

  Return(Result)
ENDFUNC

```



```

//*****
//
// FUNCTION: Hint
//
//*****
FUNCTION Hint(&tbox;xpos;ypos;Buttons)
w=StrLen(tbox[1])
If(w < 30)
    w=30
Endif

ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
        w=tst        // w = width of inside of box
    Endif
Endfor
h=tbox[0]        // h = height of inside of box
w=w+4 h=h+4

If(Buttons = 1)
    Title="Hint"
Else
    If(Buttons = 2)
        Title="Quick Tip"
    Else
        If(Buttons = 3)
            Title="Hint"
        Else
            Title="Quick Tip"
        Endif
    Endif
Endif

If(xpos = -99 and ypos = -99)
    DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;
    ;;w;h)
Else
    If(xpos <> -99 and ypos = -99)
        DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;xpos;;
        w;h)
    Else
        If(xpos = -99 and ypos <> -99)
            DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;;
            ypos+ScrnMode;w;h)
        Else

```

```
        DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;
        xpos;ypos+ScrnMode;w;h)
    Endif
Endif
Endif
If(Buttons = 1)
    DlgControl(CtrlPushButton!;;"~Return to Coach";;w-20;h-2)
    DlgControl(CtrlPushButton!;;"~Show Me";;w-31;h-2)
Else
    If(Buttons = 2)
        DlgControl(CtrlPushButton!;;"~Continue ";;w-14;h-2)
        DlgControl(CtrlPushButton!;;"~Show Me";;w-25;h-2)
    Else
        If(Buttons = 3)
            DlgControl(CtrlPushButton!;;"~Return to Coach";;w-20;h-2)
        Else
            DlgControl(CtrlPushButton!;;"~Continue ";;w-14;h-2)
        Endif
    Endif
Endif
Endif
ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
Endfor
DlgEnd
```

```
*****
// The next command is a remedy for a bug
*****
```

```
If(Exists(BugFix))
    PosCharNext
    PosCharPrevious
    DISCARD(BugFix)
Endif
```

```
*****
*****
```

```
Return(Result)
ENDFUNC
```

```

//*****
//
//  FUNCTION: Overview
//
//*****
FUNCTION Overview(Title;&tbox;Buttons)
  w=StrLen(tbox[1])
  If(w < 30)
    w=30
  Endif

  tst=StrLen(Title)
  If(tst > w)
    w=tst
  Endif
  ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
      w=tst      // w = width of inside of box
    Endif
  Endfor
  h=tbox[0]      // h = height of inside of box
  w=w+4 h=h+4

  DlgCreate(Result;Title;DlgNoOk!+DlgNoCancel!;;w;h)
  DlgControl(CtrlPushButton!;;" Prev ";;w-33;h-2)
  DlgControl(CtrlPushButton!;;" Next ";;w-24;h-2)
  DlgControl(CtrlPushButton!;;" Cancel ";;StyCancel!;w-15;h-2)
  ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
  Endfor
  DlgEnd

  Return(Result)
ENDFUNC

```