

Sourcecode: Example7.c

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WRITTEN BY		February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

Sourcecode: Example7.c

1.1 Example7.c

```
/******  
/*  
/* Amiga C Encyclopedia (ACE)           Amiga C Club (ACC) */  
/* -----  
/*  
/* Manual:  AmigaDOS                    Amiga C Club      */  
/* Chapter: Parsing Command Line       Tulevagen 22     */  
/* File:    Example7.c                 181 41  LIDINGO    */  
/* Author:  Anders Bjerin              SWEDEN           */  
/* Date:    93-03-06                   */  
/* Version: 1.0                         */  
/*  
/* Copyright 1993, Anders Bjerin - Amiga C Club (ACC) */  
/*  
/* Registered members may use this program freely in their */  
/* own commercial/noncommercial programs/articles.      */  
/*  
/******  
  
/* This example demonstrates how to use the FindArg() function. */  
/* We simply use it to scan the command line template and return */  
/* the position of each command template.                    */  
  
/* Include the dos library definitions: */  
#include <dos/dos.h>  
  
/* Include information about the argument parsing routine: */  
#include <dos/rdargs.h>  
  
/* Now we include the necessary function prototype files:      */  
#include <clib/dos_protos.h> /* General dos functions... */  
#include <clib/exec_protos.h> /* System functions... */  
#include <stdio.h> /* Std functions [printf()...] */  
#include <stdlib.h> /* Std functions [exit()...] */
```

```
/* Here is our command line template: (Note that it consists of */
/* three command templates. First we have the "SoundFile/A" which */
/* has the position 0, then the "V=Volume/K/N" which has position */
/* 1, and finally the "F=Filter/S" which has the position 2.) */
#define MY_COMMAND_LINE_TEMPLATE "SoundFile/A,V=Volume/K/N,F=Filter/S"

/* Set name and version number: */
UBYTE *version = "$VER: AmigaDOS/ParsingCommandLine/Example7 1.0";

/* Declare an external global library pointer to the Dos library: */
extern struct DosLibrary *DOSBase;

/* Declared our own functions: */

/* Our main function: */
int main( int argc, char *argv[] );

/* Main function: */

int main( int argc, char *argv[] )
{
    /* Store the command template position here: */
    int template_position;

    /* We need dos library version 37 or higher: */
    if( DOSBase->dl_lib.lib_Version < 37 )
    {
        /* Inform the user: */
        printf( "This program needs Dos Library V37 or higher!\n" );

        /* Exit with an error code: */
        exit( 20 );
    }

    /* Print heading: */
    printf( "Command Template Position\n" );
    printf( "-----\n" );

    /* Which position has the comman template "SoundFile"? */
    template_position = FindArg( MY_COMMAND_LINE_TEMPLATE, "SoundFile" );

    /* Print the position: */
```

```
printf( "SoundFile          %d\n", template_position );

/* Which position has the comman template "Filter"? */
template_position = FindArg( MY_COMMAND_LINE_TEMPLATE, "Filter" );

/* Print the position: */
printf( "Filter            %d\n", template_position );

/* Which position has the comman template "Volume"? */
template_position = FindArg( MY_COMMAND_LINE_TEMPLATE, "Volume" );

/* Print the position: */
printf( "Volume           %d\n", template_position );

/* The End! */
exit( 0 );
}
```
