

Listing: VOICE.C;

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/*****
/*          V O I C E . C
**-----**
/* Task      : Demonstrates accessing the Creative Labs
/*            driver using the "Text to Speech"
/*            driver.
**-----**
/* Author     : Michael Tischer / Bruno Jennrich
/* Developed on : 03/20/1994
/* Last update : 03/25/1994
**-----**
/* COMPILER    : Borland C++ 3.1, Micsosoft Visual C++ 1.5
*****/

/*- Add Include files -----*/
#include <stdio.h>
#include <process.h>

#include "sbutil.h"
#include "ctts.h"
#include "args.h"

/*- Remove the following lines within a project: -----*/
#include "sbutil.c"
#include "ctts.c"
#include "args.c"

/*****
/*          M A I N   P R O G R A M
*****/
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VOID main( INT argc, PCHAR argv[] )
{ LPVOID lpEntry;                                /* Driver entry point */
  INT iGender, iTone, iVolume, iPitch, iSpeed;
  PCHAR pText;

  iGender = 0;                                    /* Gender */
  iGender = GetArg( argc, argv, "-FEMALE", _none, NULL, 0 );
  iTone = 0;                                       /* Tone */
  iTone = GetArg( argc, argv, "-TREBLE", _none, NULL, 0 );
  iVolume = 5;                                    /* Volume */
  GetArg( argc, argv, "-VOL:", _int, &iVolume, 1 );
  iPitch = 5;                                     /* Pitch */
  GetArg( argc, argv, "-PITCH:", _int, &iPitch, 1 );
  iSpeed = 5;                                     /* Speed */
  GetArg( argc, argv, "-SPEED:", _int, &iSpeed, 1 );

  pText = NULL;
  GetNArg( argc, argv, "-", ( PCHAR *)&pText, 1 );
  if( pText == NULL )
  {
    printf("Call: voice TEXT [ -FEMALE][ -TREBLE]" );
    printf("[ -VOL:0-9][ -PITCH:0-9][ -SPEED:0-9 ]\n" );
    exit( 0 );
  }

  lpEntry = sb_LoadDriver( "CTTS.DRV" );          /* Load CTTS driver */

  if( !lpEntry ) printf("Could not find \"CTTS.DRV\"!\n");
  else
  {
    if( ctts_GetEnvSettings( lpEntry ) ) /* Set environment variable */
      printf("Error in BLASTER environment variable");
  }
}

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else
if( ctts_Init( lpEntry ) )                /* Initialize driver */
    printf("Could not initialize CTTS");
else
{ WORD ver;
  ver = ctts_GetDrvVer( lpEntry );          /* Get version number */
  printf(" CTTS version: %02d.%02d\n", ver >> 8, ver & 0xff);

  ctts_SetSpeechParam( lpEntry,             /* Set speech parameters */
                      ( BYTE ) iGender,
                      ( BYTE ) iTone,
                      ( BYTE ) iVolume,
                      ( BYTE ) iPitch,
                      ( BYTE ) iSpeed );

  ctts_Say( lpEntry, pText );               /* Speak your piece... */
  ctts_Terminate( lpEntry );               /* and end */
}
sb_UnloadDriver( lpEntry );
}
}

```