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/*****
*
*                               I S E V C . C
*
*-----*
* Task       : Tests for an active EGA or VGA card.
*-----*
* Author      : Michael Tischer
* Developed on : 08/06/90
* Last update  : 02/26/92
*-----*
* (MICROSOFT C)
* Compilation  : CL /AS isevc.c
*-----*
* (BORLAND TURBO C)
* Compilation  : Use the integrated development environment
*-----*
* Call        : isevc
*****/

#include <dos.h>                /* Add include files */
#include <stdarg.h>
#include <stdio.h>

/*-- Constants -----*/

#define EGA_MONO 0                /* EGA and MDA monitor */
#define EGA_COLOR 1              /* EGA and EGA monitor */
#define VGA_MONO 2                /* VGA and analog monochrome monitor */
#define VGA_COLOR 3              /* VGA and VGA monitor */
#define NEITHERNOR 4            /* No VGA, no EGA */

/*-- Type declarations -----*/

typedef unsigned char BYTE;

/*****
*
* IsEgaVga : Determines whether an EGA or a VGA card is installed.
*-----*
* Input    : None
* Output    : Taken from constants EGA_MONO, EGA_COLOR, etc.
*****/

BYTE IsEgaVga( void )
{
    union REGS Regs;              /* Processor registers for interrupt call */

    Regs.x.ax = 0x1a00;           /* Function 1AH applies to VGA only */
    int86( 0x10, &Regs, &Regs );
    if ( Regs.h.al == 0x1a )       /* Is the function available? */
        switch ( Regs.h.bl )     /* Yes --> Pass code */
        {
            case 4 : return EGA_COLOR;
            case 5 : return EGA_MONO;
            case 7 : return VGA_MONO;
            case 8 : return VGA_COLOR;
            default : return NEITHERNOR;
        }
    else                          /* Not a VGA, but it may be an EGA */
    {
        Regs.h.ah = 0x12;         /* Call function 12H, */
        Regs.h.bl = 0x10;         /* sub-function 10H */
        int86(0x10, &Regs, &Regs ); /* Call video BIOS */
        if ( Regs.h.bl != 0x10 )   /* EGA? */
            return Regs.h.bh == 0 ? EGA_COLOR : EGA_MONO; /* Yes */
        else                      /* No */
            return NEITHERNOR;
    }
}

/*****
*
*                               M A I N   P R O G R A M
*
*****/

void main( void )
{
    printf( "ISEVP - (c) 1990, 1992 by Michael Tischer\n\n" );
    switch ( IsEgaVga() )

```

```
{
case NEITHERNOR :
    printf( "The active video card is neither EGA nor VGA");
    break;

case EGA_MONO :
    printf( "This is an EGA card with an MDA monitor" );
    break;

case EGA_COLOR :
    printf( "This is an EGA card with an EGA or " \
           "multiscan monitor" );
    break;

case VGA_MONO :
    printf( "This is a VGA card with an analog monochrome monitor");
    break;

case VGA_COLOR :
    printf( "This is a VGA card with a VGA or " \
           "multiscan monitor" );
}
printf( "\n\n" );
}
```