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/*****
/*
/*----- V I O S C -----*/
/* Task : Determines the type of video card and monitor */
/* installed in the system. */
/*-----*/
/* Author : Michael Tischer */
/* Developed on : 10/02/88 */
/* Last update : 02/18/92 */
/*-----*/
/* (MICROSOFT C) */
/* Compilation : CL /AS /c VIOSC.C */
/* LINK VIOSC VIOSCA; */
/* Call : VIOSC */
/*-----*/
/* (BORLAND TURBO C) */
/* Compilation : Create project file made of the following: */
/* VIOSC */
/* VIOSCA.ASM */
/* Info : Some cards may return errors or "unknown" */
*****/

/*== Declarations of external functions =====*/
extern void get_vios( struct vios * );

/*== Type defs =====*/
typedef unsigned char BYTE; /* Create a byte */

/*== Structures =====*/
struct vios { /* Describe video card and attached monitor */
    BYTE vcard,
        monitor;
};

/*== Constants =====*/

/*-- Constants for the video card -----*/
#define NO_VIOS 0 /* No video card */
#define VGA 1 /* VGA card */
#define EGA 2 /* EGA card */
#define MDA 3 /* Monochrome Display Adapter */
#define HGC 4 /* Hercules Graphics Card */
#define CGA 5 /* Color Graphics Adapter */

/*-- Constants for monitor type -----*/
#define NO_MON 0 /* No monitor */
#define MONO 1 /* Monochrome monitor */
#define COLOR 2 /* Color monitor */
#define EGA_HIRES 3 /* High-res/multisync monitor */
#define ANLG_MONO 4 /* Analog monochrome monitor */
#define ANLG_COLOR 5 /* Analog color monitor */

/*****
/** MAIN PROGRAM **
*****/

void main()

{
    static char *vcnames[] = { /* Pointer to the video card name */
        "VGA",
        "EGA",
        "MDA",
        "HGC",
        "CGA"
    };

    static char *monnames[] = { /* Pointer to the monitor type's name */
        "monochrome monitor",
        "color monitor",
        "high-res/multisync monitor",

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        "analog monochrome monitor",
        "analog color monitor"
    };

    struct vios vsys[2];                                /* Vector for GET_VIOS */

    get_vios( vsys );                                    /* Determine video system */
    printf("\nVIO SC (c) 1988, 1992 by Michael Tischer\n\n");
    printf("Primary video system:   %s card/ %s\n",
           vcnames[vsys[0].vcard-1], monnames[vsys[0].monitor-1]);
    if ( vsys[1].vcard != NO_VIOS ) /* Is there secondary video system? */
        printf("Secondary video system: %s card/ %s\n",
               vcnames[vsys[1].vcard-1], monnames[vsys[1].monitor-1]);
}
.
```