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{*****
{                               V I O S P                               }
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{-----}
{ Task           : Returns the type of video card installed.           }
{-----}
{ Author        : Michael Tischer                                     }
{ Developed on   : 10/02/88                                           }
{ Last update    : 02/18/92                                           }
{*****}

program VIOSP;

{$L viospa}                                { Link assembler module }

const NO_VIOS      = 0;                    { No video card }
      VGA          = 1;                    { VGA card }
      EGA          = 2;                    { EGA card }
      MDA          = 3;                    { Monochrome Display Adapter }
      HGC          = 4;                    { Hercules Graphics Card }
      CGA          = 5;                    { Color Graphics Adapter }

      NO_MON       = 0;                    { No monitor }
      MONO         = 1;                    { Monochrome monitor }
      COLOR        = 2;                    { Color monitor }
      EGA_HIRES    = 3;                    { High-resolution monitor }
      ANLG_MONO    = 4;                    { Monochrome analog monitor }
      ANLG_COLOR   = 5;                    { Color analog monitor }

type Vios = record                        { Describes video card and attached monitor }
      VCard,
      Monitor : byte;
    end;

ViosPtr = ^Vios;                        { Pointer to a VIOS structure }

procedure GetVios( vp : ViosPtr ) ; external ;

var VidSys : array[1..2] of Vios; { Array containing video structures }

{*****}
{ * PrintSys: Gives information about a video system.                  }
{ * Input   : - VCard: Code number of the video card                  }
{ *          : - MON  : Code number of the attached monitor           }
{ * Output  : None                                                    }
{*****}

procedure PrintSys( VCard, Mon : byte );

begin
  write(' ');
  case VCard of
    NO_VIOS : write('Unknown');           { For "other" code }
    VGA     : write('VGA');
    EGA     : write('EGA');
    MDA     : write('MDA');
    CGA     : write('CGA');
    HGC     : write('HGC');
  end;
  write(' card/ ');
  case Mon of
    MONO      : writeln('monochrome monitor');
    COLOR     : writeln('color monitor');
    EGA_HIRES : writeln('high-resolution monitor');
    ANLG_MONO : writeln('monochrome analog monitor');
    ANLG_COLOR : writeln('color analog monitor');
  end;
end;

{*****}
{**                               MAIN PROGRAM                               **}
{*****}

begin
  GetVios( @VidSys );                    { Check installed video card }
  writeln('VIOSP - (c) 1988, 1992 by Michael Tischer');
  write('Primary video system: ');
  PrintSys( VidSys[1].VCard, VidSys[1].Monitor );
  if VidSys[2].VCard <> NO_VIOS then { Second video system installed? }
  begin
    write('Secondary video system:');
    PrintSys( VidSys[2].VCard, VidSys[2].Monitor );
  end;
end.

```