

```

{*****}
{*                V I O S P                *}
{*-----*}
{*   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');
    end;
end;

```

```

        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;
end.

```