

Pascal listing: CONFIGP.PAS

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{*****}
{*          C O N F I G P          *}
{*-----*}
{* Task          : Displays the configuration of the PC.          *}
{*-----*}
{* Author        : Michael Tischer                                *}
{* Developed on   : 07/07/87                                        *}
{* Last update    : 04/07/95                                        *}
{*****}

program CONFIGP;
Uses Crt, Dos;                                     { Add CRT and DOS units }
{*****}
{* PrintConfig: Displays PC configuration.                        *}
{* Input      : None                                             *}
{* Output     : None                                             *}
{* Info       : Configuration varies with the type of PC.        *}
{*****}

procedure PrintConfig;
var AT      : boolean;                               { Is PC an AT? }
    Regs    : Registers;                             { Processor registers for interrupt call }

begin
  ClrScr;                                           { Clear screen }
  if Mem[$F000:$FFFE] = $FC then AT := true        { Test for AT, }
                                     else AT := false; { PC or XT }
  writeln('CONFIGP - (c) 1987, 1992 by Michael Tischer');
  writeln;
  writeln('Your PC Configuration ');
  writeln('-----');
  write('PC Type          : ');
  case Mem[$F000:$FFFE] of
    { Read PC type and display }
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$FF : writeln('PC');
$FE : writeln('XT');
else writeln('AT or higher')
end;

Intr($12, Regs); { RAM from BIOS interrupt }
writeln('Conventional RAM : ', Regs.ax, ' K');
if AT then { Is the PC an AT? }
begin { Yes }
    Regs.ah := $88; { Read function number for extended memory }
    Intr($15, Regs ); { Call BIOS cassette interrupt }
    writeln('Additional RAM : ', Regs.ax, ' K over 1 megabyte');
end;

Intr($11, Regs); { Call BIOS configuration interrupt }
write('Default video mode : ');
case Regs.al and 48 of { Get video mode }
    0 : writeln('Undefined');
    16 : writeln('40x25 character color card');
    32 : writeln('80x25 character color card');
    48 : writeln('80x25 character mono card')
end;

writeln('Disk drives : ', succ(Regs.al shr 6 and 3));
writeln('Serial interfaces : ', Regs.ah shr 1 and 3);
writeln('Parallel interfaces : ', Regs.ah shr 6)
end;
{*****}
{* MAIN PROGRAM *}
{*****}
begin
PrintConfig; { Display configuration }
end.
```