ASCII

```
.model small
.data
msg1   db  0dh , 0ah , " Enter an alpha-
                          numeric character $"

res   db  02 dub(0)


.code
  mov   ax, @data
  mov   ds , ax
  lea   dx , msg1
  call  disp
  mov   ah , 01h
  int   21h
  mov   bl , al
  mov   cl , 4
  shr   al , cl
  cmp   al , 0ah
  jc    digit
  ADD   AL , 07 H
digit : add   al , 30h
        mov   res , al
        and   bl , 0fh
        cmp   bl , 0ah
        jc    digit1
digit 1 : add  bl , 30 h
          mov  res +1 , bl


  mov  ah , 00h
  mov  al , 03 h      ; TEXT MODE
  int  10 h
```

```asm
mov    ah, 02h        ; cursor
mov    bh, 00h        ; pg no.
mov    dh, 0ch        ; row
mov    dl, 28h        ; column
int    10 h

mov    res+2, '$'
lea    dx, res
call   disp
mov    ah, 4ch
int    21 h

disp   proc near
mov    ah, 09h
int    21 h
ret
disp   endp
end.
```