```
digit1:
add bl,30h
mov res+1, bl
mov ah, 00h
mov al, 03h
int 10h
mov ah, 02h
mov bh, 00h
mov dh, 0ch
mov dl, 28h

mov res-2, '$'

lea dx, res
call deep
mov ah, 4ch
int 21h
end
```

To print ASCII value of input

```asm
.model small
.data
msg1  DB  0DH, 0AH, " Enter alphanumeric charact
res   db  02h dup(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, 07h
digit:
add  al, 30h
mov  res, al
and  bl, 0FH
cmp  bl, 0AH
jc  digit1
add  bl, 07h
```