27/10/20 MP - LAB

```
. model small
. data
msg1  db  0dh, 0ah, "Enter alphanumeric
       character $"
res  db.02  dup (0)
. code
mov  ax, d@data
mov  dx, msg 1
call  disp.
mov  ah, 01h
int  21h
mov  bl, al
mov  cl, 4
shr  al, cl
cmp  al, 0ah
jc  digit
ADD  AL, 67H
digit :  add  al, 30h
         mov  res, al
         and  bl, 0fh
         cmp  bl, 0ah
         jc  digit I
         add  bl, 07h
```

```asm
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
         int 10h

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

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