→ ASCII Values :-

; to Print Ascii value of input

. Model small

. Data

msg1 db 0dh , 0ah , "Enter Alphanumeric chrocter : $"

RES db 02h dup (0)

. code

mov ax, @data

mov ds, ax

Lea dx, msg1

call disp

mov ah, 01h // reading input chrocter from key board.

Int 21h

mov bl, al //al is the input will be stored always in AL, Register and BL

mov cl, y

Shr Al, cl   // 00h

cmp al, 0ah

jc digit   // al < 0ah carry is generated so now only add 30H

add bl, 07h

Digit:

add al, 30h // 30h

mov res, al

and bl, 0fh   // bl = 0AH

cmp bl, 0ah   // no carry generated

jc digit1

add bl, 07h   // bl = 0A + 07H

digit1:

add bl, 30h   // BL = 0A + D7 + 30 → 0A + 37H = 'U'H

mov RES +1, bl

mov ah, 00h // clear the screen

mov al, 03h

INT 10H

mov ah, 02h   // set the cussor position

mov bh, 00h

mov dh, 0ch   // row number

mov dl, 28h   // column number

```asm
mov res+2, '$'    || $ Here indicates end of the result string.

Lea dx, res
call Disp    || Res value will be printed on the screen.
mov ah, 4ch
int 21H

Disp Proc Near
  Mov ah, 09h
  int 21h
  Ret
Disp ENDP

End
```