PROGRAM-3

To print ASCII value of input

```
.model small
.data
Msg1 db 0dh, 0ah, "Enter Alphanumeric character: $"
res db 02h dup(0)


.code
mov ax, @data
mov ds, ax


lea dx, msg1
call disp


mov ah, 01h     ; Reading input character from keyboard.
int 21h


mov bl, al      ; 0A is the input will be stored always in
                        al and bl register
mov cl, 4
shr al, cl
cmp al, 0ah
jc digit
add al, 07h


digit1:
add bl, 30h     ; bl = 0a + 07 + 30 = 0a + 37 = 41h
mov res+1, bl


mov ah, 02h     ; set the cursor position
mov bh, 00h
mov dh, 0ch     ; Row number
```

```
mov dl, 28h  ; colum number

mov res+2, '$'  ; $ here indicates end of the 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
```