Program :-3

Displaying ASCII
Value of correspon
-ding Key.

Name : Yogesh-Y
USN : 1BM19CS188

```
.model small
.data
msg1 DB ODH, OAH, "ENTER ALPHANUMERIC
RES  DB 02H DUP(0) CHARACTER : $"


.Code
Mov  AX, @DATA
Mov  DS. AX


LEA  DX, MSG1
CALL  DISP


MOV  AH, OIH    ; Reading input char. from Keyboard
int  21H


Mov  BL, AL     ;0A is the input will be stored
Mov  CL,4        always in AL &BL register.
SHR  AL,CL
CMP  AL, OAH
JC  DIGIT    ; AL <OAH carry is generated
ADD  AL,07H      So now only add 30H


DIGIT : ADD   AL, 30H
        MOV  RES, AL
        AND  BL, OFH
        CMP. BL, OAH
        JC   DIGIT1
        ADD  BL, 07H
```

```
DIGIT1:  ADD   BL, 30H
          MOV  ·RES+1, BL

MOV  AH, 00H    ; Clear screen
MOV  AL, 03H
·INT  10H

·MOV  AH, 02H
MOV  BH, 00H
MOV  DH, 0CH
·Mov  DL, 28H

MOV  RES + 2, '$'

LEA   DX, RES

CALL  ·DISP  PROC  NEAR.
MOV  AH, 4CH
INT   21H.
RET
DISP  ENDP

END
```