Program :-3

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Displaying ASCII
Value of Corresponding Key.

```
. 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, 01H    ; Reading input char. from Keyboard
int 21H

MOV BL, AL    ;OA 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.
```

```asm
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
MOV AH, 4CH
INT 21H.
RET
DISP ENDP

END
```