LAB PROGRAM - 3

.MODEL SMALL

.DATA
MSG1 DB 0DH "ENTER Alphanumeric CHARACTER: $"
 RES DB 02H DUP (0)

 CODE
MOV AX, @ DATA
 MOV DS, AX

LEA DX, MSG1
 CALL DISP

MOV AH, 01H
 INT 21H

MOV BL, AL
MOV CL, 4
 SHR AL, CL
CMP AL, CL
CMP AL, 0AH
IC DIGIT
ADD AL, 07H

 DIGIT

ADD AL, 30H
MOV RES, AL
AND BL, 0FH
CMP BL, 0AH

IC DIGIT1

```asm
ADD BL, 07H
DIGIT 1:
ADD BL, 30H
MOV RES+1
MOV AH, 00H
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

DISP PROC NEAR
MOV AH, 09H
INT 21H
RET
DISP ENDP

END.
```