

## MP-LAB

### Program - 3

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IBM19CS165

3D-SECTION

- MODEL SMALL

- DATA

MSG1 DB 0DAH, 0AH, "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, 0AH

~~JMP~~ JC DIGIT

ADD AL, 07H

DIGIT:

ADD AL, 30H

MOV RES, AL

AND BL, 0FH

CMP BL, 0AH

JC DIGIT1

ADD AL, 07H

DIGIT1:

ADD BL, 30H

MOV RES+1, BL

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