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13M19C8194

File

[LAB3] - 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

INT 21H

MOV BL, AL

MOV CL, 4

SHR AL, CL

CMP AL, 0AH

JC DIGIT

ADD AL, 07H

DIGIT:

ADD AL, 30H

MOV RES, AL

AND BL, 0FH

CMP BL, 0AH

JC DIGIT1

ADD BL, 0FH

DIGIT:

ADD AL, 30H

MOV RES, AL

AND BL, 0FH

CMP BL, 0AH

JC DIGIT1

ADD BL, 0FH

DIGIT1:

ADD BL, 30H

MOV RES+1, BL

~~MOV~~

MOV AH, 00H

MOV AL, 03H

INT 10H

MOV AH, 02H

MOV BH, 00H

MOV DH, 0CH

MOV DL, 28H

MOV RES+2, 'S'

LEA DX, RES

CALL DISP

MOV AH, 4CH

INT 21H

DISP PROC NEAR

MOV AH, 09H

INT 21H

RET

DISP END P

END