

; TO PRINT ASCII VALUE OF INPUT

: MODEL SMALL

- DATA

MSG1 DB 00H, 0AH, "ENTER ALPHANUMERIC CHARACTER = \$"

RES DB 01H DUP(0)

CODE

MOV AX, DATA

Mov DS, AX

LEA DX, MSG1

CALL DISP

MOV AH, 01H; READING INPUT CHARACTER FROM YOUR KEYBOARD

INT 21H

MOV BL, AL; 0A IS THE INPUT WILL BE STORED ALWAYS IN AL AND BL REGISTER

MOV CL, 4

SHR AL, CL; 00H

CMP AL, 0AH

JC DIGIT; AL 0AH CARRY IS GENERATED

SO NOW ONLY ADD 50H

ADD AL, 50H

DIGIT:

ADD AL, 30H ; 30H

MOV RES, AL

AND BL, 0FH ; BL = 0AH

CMP BL, 0AH

JC DIGIT1

ADD BL, 07H ; BL = 0A + 7H

DIGIT1;

ADD BL, 30H ; BL = 0A + 07 + 30

= 0A + 37 = 41H

MOV RES + 1, BL

MOV AH, 00H ; CLEAR THE SCREEN

MOV AL, 03H

INT 10H

MOV AH, 02H ; SET THE CURSOR POSITION

MOV BH, 00H

MOV DH, 00H ; ROW NUMBER

MOV DL, 28H ; COLUMN NUMBER

MOV RES, 0 ; 0 indicates end of the result string

LEA DX, RES

CALL DISP ; RES VALUE WILL BE PRINTED
ON THE SCREEN

MOV AH, 6CH

INT 21H

DISP PROC NEAR

MOV AH, 09H

INT 21H

RET

DISP ENP P

END