

; TO PRINT ASCII VALUE OF INPUT

.MODEL SMALL

.DATA

MSG1 DB 0DH, 0AH, "ENTER ALPHANUMERIC: \$"

RES DB 02H DUP(0)

.CODE

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

CALL DISP

MOV AH, 01H ; READING INPUT CHARACTER FROM KEYBOARD

INT 21H

MOV AH, 0FH ; reading input

MOV BL, AL ; OA is input will be stored in AL n BL

MOV CL, 1

SHR AL, CL ; 00H JA JA VDM : 90H INT

CMP AL, OAH

JL DIGIT ; AL < OAH CARRY is generated, so add 30

ADD AL, 07H

DIGIT: ADD AL, 30H ; 30H JA VDM

MOV RES, AL

AND BL, 0FH ; BL=0AH = EAHANIXEAN

CMP BL, OAH

JC DIGIT1

ADD BL, 07H ; BL=OA+07H INT 5AH

DIGIT1:

ADD BL, 30H ; BL=OA+07+30H = 41H

MOV RES +1, BL

MOV AH, 00H ; CLEAR SCREEN.

MOV AL, 03H
INT 10H

MOV AH, 03H ; set cursor position
MOV BH, 00H
MOV DH, 0CH ; row number
MOV DL, 28H ; column number
MOV RES+2, '\$' ; \$ indicates end of result string
LEA DX, RES
CALL DISP ; res will be printed on screen.

MOV AH, 4CH
INT 21H

DISP PROC NEAR

MOV AH, 09H

INT 21H

RET

DISP ENDP

END.