4-11-20

LAB 3:- Conversion of alphanumeric value into ASCII value and print it onto the screen.

• MODEL SMALL

• DATA

MSG1 DB 0DH, 0AH, " ENTER ALPHANUMERIC   RES DB 02H DUP (0)
CHARACTER : $ "

• CODE

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

CALL DISP

MOV AH, 01H

INT 21H

BMOV BL, AL

MOV CL, H

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, 07H

```
DIGIT1:

ADD    BL, 30H
MOV    RES +1, BL
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
       INT
       MOV    AH, 09H
       INT    21H
       RET
DISP   ENDP
       END .
```