**Q. Program for FAR procedure.**

**CODE:**

DATAS SEGMENT

NO1 DB 0FFH

NO2 DB 0FFH

HEX\_CHART DB '0123456789ABCDEF'

STORE\_ADDITION DB ?

H\_ATTACH DB 'H'

MSG DB 'RESULT IS: $'

DATAS ENDS

CODES SEGMENT

ASSUME CS:CODES,DS:DATAS

START:

MOV AX,DATAS

MOV DS,AX

LEA DX,MSG

MOV AH,09H

INT 21H

MOV AL,NO1

ADD AL,NO2

MOV AH,00H

ADC AH,00H

MOV STORE\_ADDITION,AL

MOV AL,AH

CALL FAR PTR DISP\_CHAR

MOV AL,STORE\_ADDITION

AND AL,0F0H

MOV CL,04H

ROR AL,CL

CALL FAR PTR DISP\_CHAR

MOV AL,STORE\_ADDITION

AND AL,0FH

CALL FAR PTR DISP\_CHAR

JMP LAST

LAST: MOV DL,H\_ATTACH

MOV AH,02H

INT 21H

MOV AH,4CH

INT 21H

CODES ENDS

CODE\_FAR SEGMENT

ASSUME CS:CODE\_FAR,DS:DATAS

DISP\_CHAR PROC FAR

MOV BX,00H

MOV BL,AL

MOV DL,HEX\_CHART[BX]

MOV AH,02H

INT 21H

RET

DISP\_CHAR ENDP

CODE\_FAR ENDS

END START

**OUTPUT :**

