**Q. Program for BCD to HEX conversion.**

**CODE:**

DATA SEGMENT

NO1 DB ?

RES DB ?

M2 DB 10,13,"ENTER NO: $"

M1 DB 10,13,"RESULT: $"

HEX DB '0123456789ABCDEF'

DATA ENDS

CODE SEGMENT

ASSUME CS:CODE,DS:DATA

START:

MOV AX,DATA

MOV DS,AX

MOV AH,09H

LEA DX,M2

INT 21H

MOV AH,01H

INT 21H

SUB AL,30H

MOV CL,04H

ROR AL,CL

MOV CH,AL

MOV AL,01H

INT 21H

SUB AL,30H

ADD CH,AL

MOV NO1,CH

MOV AH,09H

LEA DX,M1

INT 21H

MOV AL,NO1

AND AL,0F0H

MOV CL,04H

ROR AL,CL

MOV BH,0AH

MUL BH

MOV DH,AL

AND NO1,0FH

ADD DH,NO1

MOV RES,DH

MOV AL,RES

AND AL,0F0H

MOV CL,04H

ROR AL,CL

ADD AL,30H

MOV DL,AL

MOV AH,02H

INT 21H

MOV AL,RES

AND AL,0FH

MOV BX,00H

MOV BL,AL

MOV DL,HEX[BX]

MOV AH,02H

INT 21H

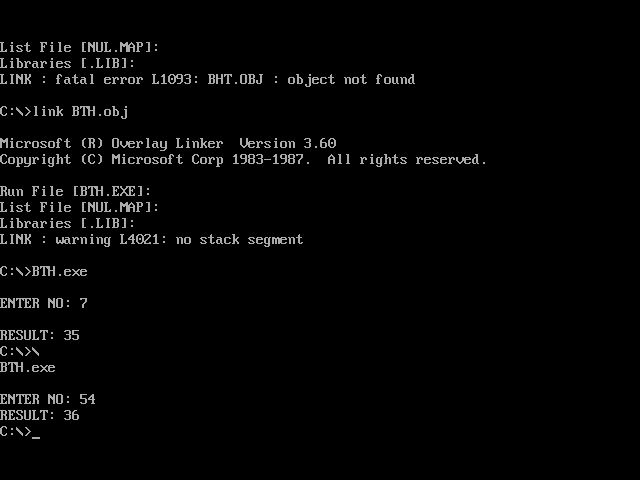
MOV AH,4CH

INT 21H

CODE ENDS

END START

**OUTPUT:**

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