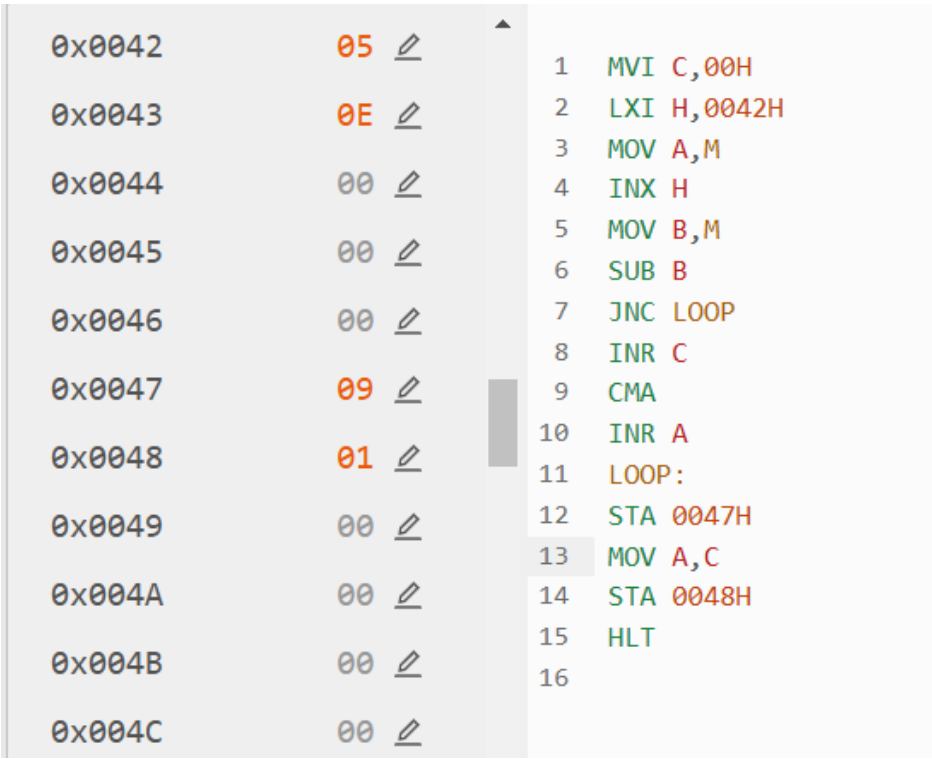
PARTC: 8 BIT SUBTRACTION

PROGRAM:

```
        MVI C,00H
        LXIH,0042H
        MOV A,M
        INX H
        MOV B,M
        SUB B
        JNCLOOP
        INR C
        CMA
        INRA
LOOP:STA 0047H
        MOV A,C
        STA 0048H
```

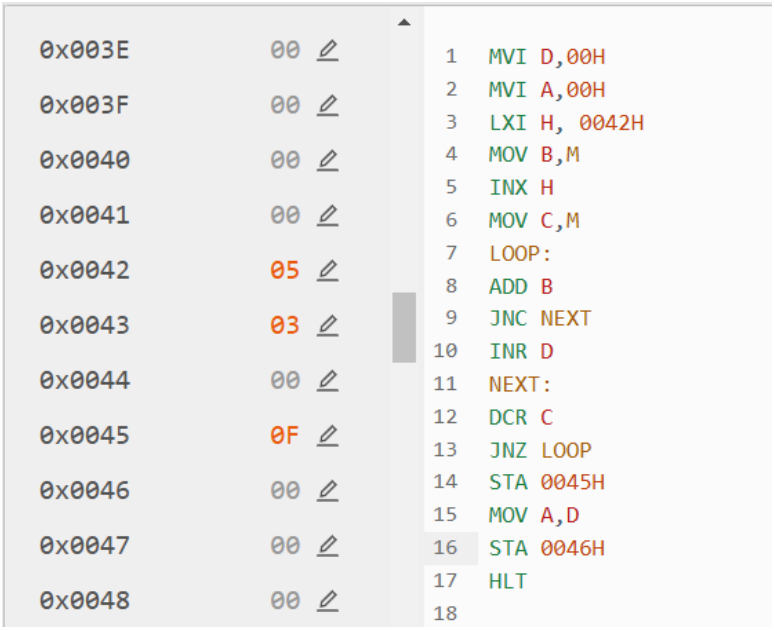


EXPERIMENT NO:2

AIM: PART A:WRITE AN 8085 ASSEMBLY LANGUAGE TO PERFORM MULTIPLICATION OF TWO 8 BIT NOS.

PROGRAM:

```
        MVI  D, 00H
        MVI  A, 00H
        LXI H,4150H
        MOV B,M
        INX H
        MOV C,M
LOOP:
        ADD B
        JNC NEXT
        INR D
NEXT:   DCR C
        JNZ  LOOP
        STA 4152H
        MOV A,D
        STA 4153H
        HLT
```



OBSERVATION:
INPUT: 05(0042)
03(0043)
OUTPUT:0F(0045)