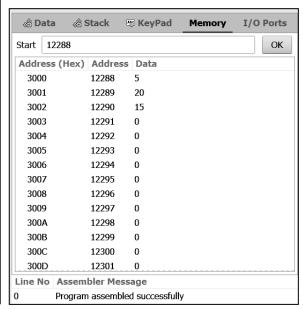
## **Practical-8**

## Aim: Write a Program Using 8085 & Verify for:

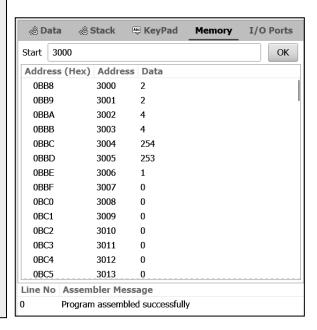
1. Subtraction of Two 8-Bit Numbers. (Display Of Borrow)

```
2
     ;<Program title>
 3
 4
     jmp start
 5
 6
     ;data
 8
 9
     ; code
10
     start: nop
11
    lxi h, 3000H
12
13
    mov b, m
14
    inx h
15
    mov a, m
16
    sub b
    mvi b, 00H
17
18
     jnc loop
19
    inr b
20
    loop: sta 3002H
21
    mov a, b
22
     sta 3003H
23
24
    hlt
```



2. Subtraction of Two 16-Bit Numbers. (Display Of Borrow)

```
2
    ;<Program title>
 3
 4
    jmp start
 5
 8
9
    ; code
10
    start: nop
11
12
    1hld 3000
13
    xchq
    1hld 3002
14
15
    mvi b, 00
    mvi c, 00
16
17
    mov a, e
18
    sub
    jnc LOOP
19
20
    inr c
21
    LOOP: mov
22
    mov a, d
23
    sub c
24
    sub
         h
25
    jnc LOOP2
26
    inr b
27
    LOOP2: mov d, a
28
    xcha
    shld 3004
29
30
    mov a, b
31
         3006
    sta
32
33
    hlt
```



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