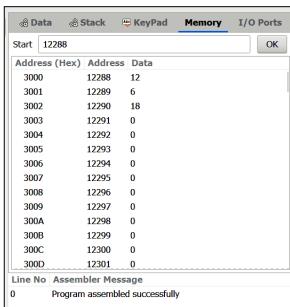
Practical-7

Aim: Write a program using 8085 & verify for:

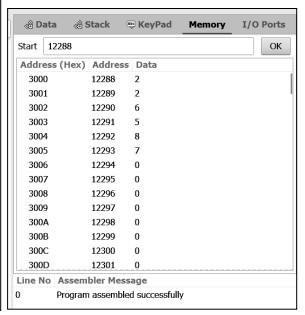
1. Addition of Two 8-Bit Numbers.

```
1
 2
     ;<Program title>
 3
 4
     jmp start
 5
 6
     ;data
 7
 8
 9
     ; code
10
     start: nop
11
12
     lxi
          h, 3000H
          b, m
13
     mov
     inx
14
          h
15
     mov
         a, m
16
     add
         b
17
     sta
           3002H
18
19
     hlt
20
```



2. Addition of Two 16-Bit Numbers (With Carry):

```
1
 2
    ;<Program title>
 3
 4
    jmp start
 5
 6
    ;data
 7
 8
 9
    ; code
10
    start: nop
11
    1hld 3000H
12
    xchg
13
    1hld 3002H
14
15
    mvi
          c, 00H
16
    dad d
17
    jnc loop
18
19
    loop: shld 3004H
20
    mov a, c
21
    sta 3006H
22
23
    hlt
```



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