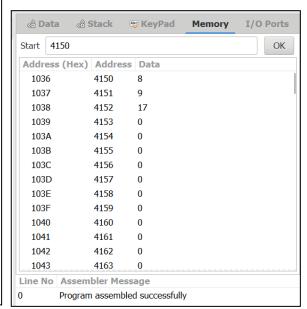
## **Practical-7**

## Aim: Write a program using 8085 & verify for:

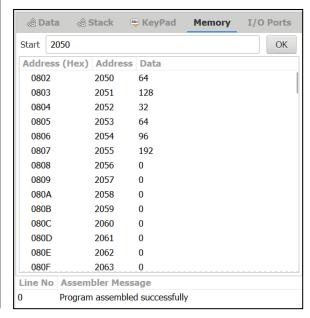
1. Addition of Two 8-Bit Numbers.

```
1
 2
     ;<Program title>
 3
 4
     jmp start
 5
 6
     ;data
7
8
 9
     ; code
10
     start: nop
11
12
     MVI C,00
     LDA 4150
13
14
     MOV B, A
15
     LDA 4151
16
     ADD B
17
     JNC LOOP
18
     INR C
19
     LOOP: STA 4152
20
     MOV A, C
21
     STA 4153
22
     hlt
23
```



## **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
12
     lhld
            2050
13
     xchg
14
     lhld
            2052
15
           d
     dad
16
     shld
           2054
17
     hlt
18
```



Student Name: Kanzariya Dhavanik Enrollment No: 21012022022