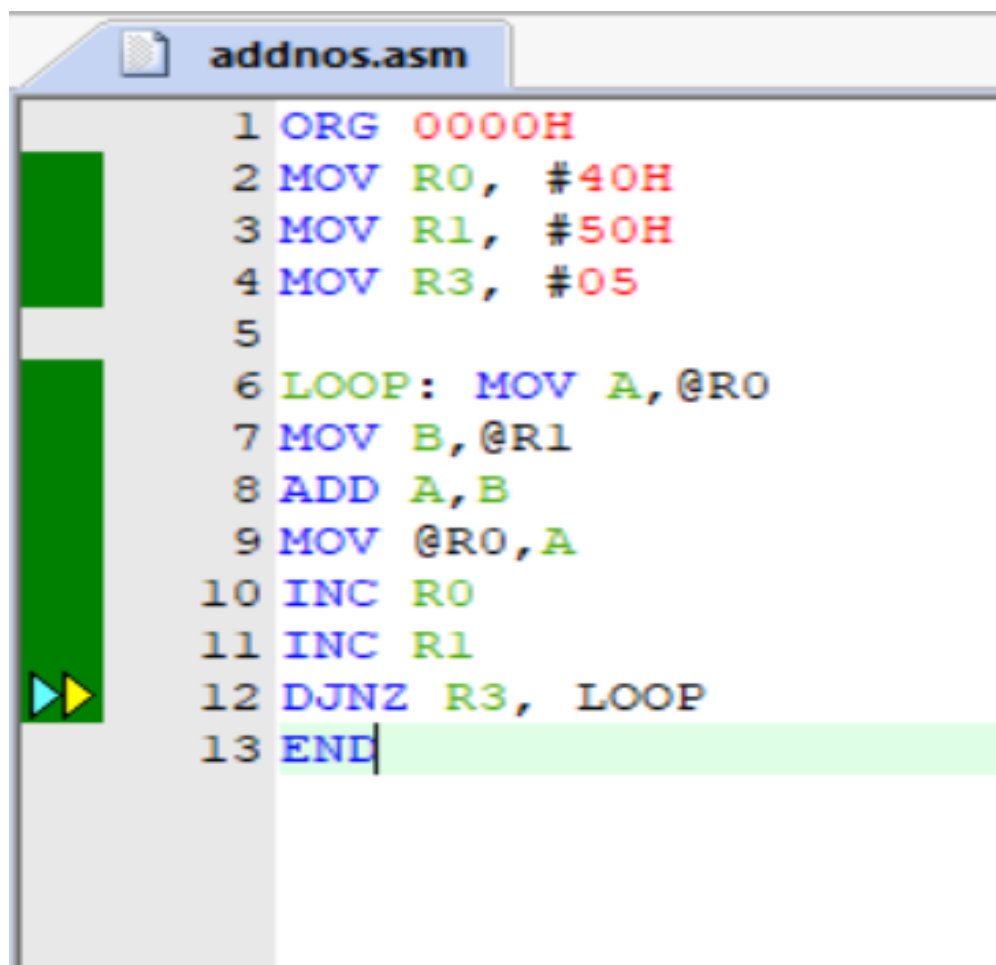


EXPERIMENT -2

AIM: To add 5 numbers parallelly from 2 different locations and storing the result sequentially in memory.

CODE:



```
1 ORG 0000H
2 MOV R0, #40H
3 MOV R1, #50H
4 MOV R3, #05
5
6 LOOP: MOV A, @R0
7 MOV B, @R1
8 ADD A, B
9 MOV @R0, A
10 INC R0
11 INC R1
12 DJNZ R3, LOOP
13 END
```

INPUT:

Memory 1:

Memory 1						
Address: D:40h						
D:0x40: 01 02 03 04 05						

Memory 2:

Memory 1						
Address: D:50h						
D:0x50: 01 02 03 04 05 06						
D:0x66: 00 00 00 00 00 00						

OUTPUT:

Memory 1					
Address: D:40h					
D:0x40: 02 04 06 08 0A					
D:0x55: 00 00 00 00 00					