EXPERIMENT -2

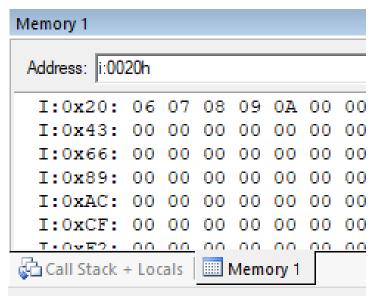
AIM: To add 5 numbers parallelly from 2 different locations and storing the result sequentially in memory.

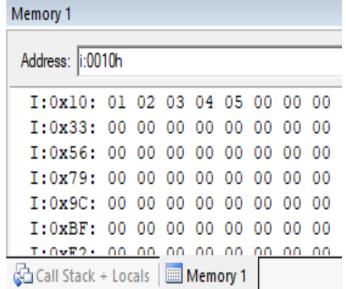
CODE:

ORG 0000H MOV R0,#10H MOV R1,#20H MOV R3,#05H

L1: MOV A,@R0
MOV B, A
MOV A, @R1
ADD A, B
MOV @R1, A
INC R0
INC R1
DJNZ R3, L1
END

INPUT:





OUTPUT:

```
Memory 1
Address: i:0020h
  I:0x20: 07
                  0B
                      0D
                          0F
                             00
               09
  I:0x43: 00
               00 00
                      00
                          00
                             00
  I:0x66: 00 00 00
                      0.0
                         00
                             00
  I:0x89: 00 00 00
                      00
                          00 00
               00 00
                      00
                          00 00 0
  I:0xAC: 00
           00 00 00
  I:0xCF:
                      00 00 00 0
  T · O • F 2 · OO OO OO
                      00.00
                             <u>oo c</u>
                  Memory 1
Call Stack + Locals
```