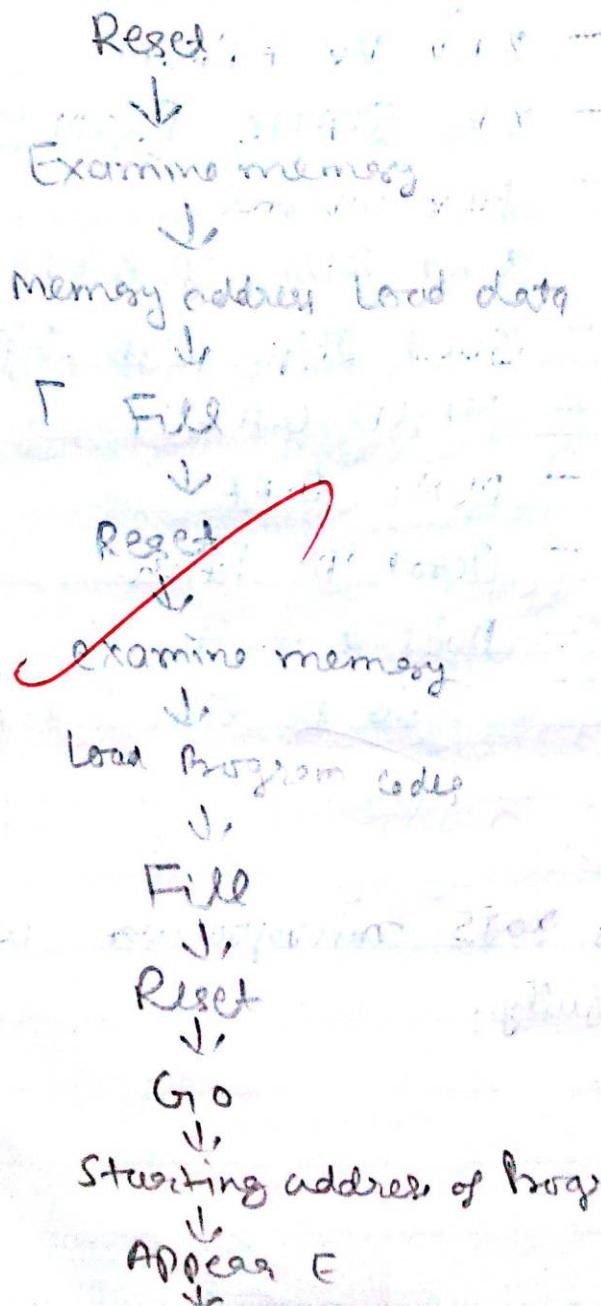


## Practical No-2

AIM → Hexadecimal addition of two no.

Description → The program takes the content of 2000, adds it to 2002 and stores the result at 2002.

Procedure →



See the result by examine memory in specific mem. loc.

## Practical - 2

AIM → Hexadecimal addition of two numbers.

Description → The program takes the content of 2000, adds it to 2001 and stores the result at address 2002.

### Steps ↓

1. Initialize HL Reg Pair with address where the first no. is lying
2. Start the number in accumulator
3. Get the second number.
4. Add the two numbers and store the result in 2002.
5. Go back to monitor

Address	Code	Label	numeric	Operand	Comments
2000	Data				1st no. to be added
2001	Data				2nd no. to be added
2002			Result		Result

### Step 1

2003    21,0020    Start LX1    n, 2000 point to last no.

### Step 2

2006    7E    MOV    A, M load to the accumulator

### Step 3

2007    23    INX    H Advance pointer

### Step 4

2008    86,9E    ADD    M Add 2nd no.

2009    23    INX    H Advance pointer

201A      77      MOV      M, R store result

Step 5:

2008      76      HLT      L set breakpoint

Example 2

Address data in Hex ↓

2000	1A	equivalent	is decimal = 26
2001	18	equivalent	is decimal = 24
2002	32	equivalent	is decimal = 50

~~Aug~~  
 9/2/13