**Practical - 8**

**Aim:**

Write a Program to subtract the contents of memory location 4001H from the memory location 4002H and place the result in memory location 4003H. (without SUB instruction).

**Description of instructions used:**

In this Practical we have to find Subtraction without using SUB Operations. So, we will store one hexadecimal number in 4001 memory address. After that we will find 2’s Complement of that particular number. After find the 2’s Complement we will add both number and it will perform subtraction operation.

**Code:**

MOV AX,4000h

MOV DS,AX

MOV [0001H], 33H

MOV [0002H], 11H

MOV AL,[0001H]

MOV BL,[0002H]

NOT BL

ADD AL,BL

ADD AL,0001H

MOV [0003H],AL

**Output:**

