**ONEs**
**AND TWOs COMPLEMENT**

**EXP NO: 17**

**AIM:**
To compute one's and two's complement
using 8085 processor.

**ALGORITHM:**

1) Load the base address of the array in a register pair.

2) Move the data from memory location into accumulator.

3) Convert all ones into zeros and zeros into ones.

4) Add 01 to the accumulator content.

5) Store the results of one's and two's complement.
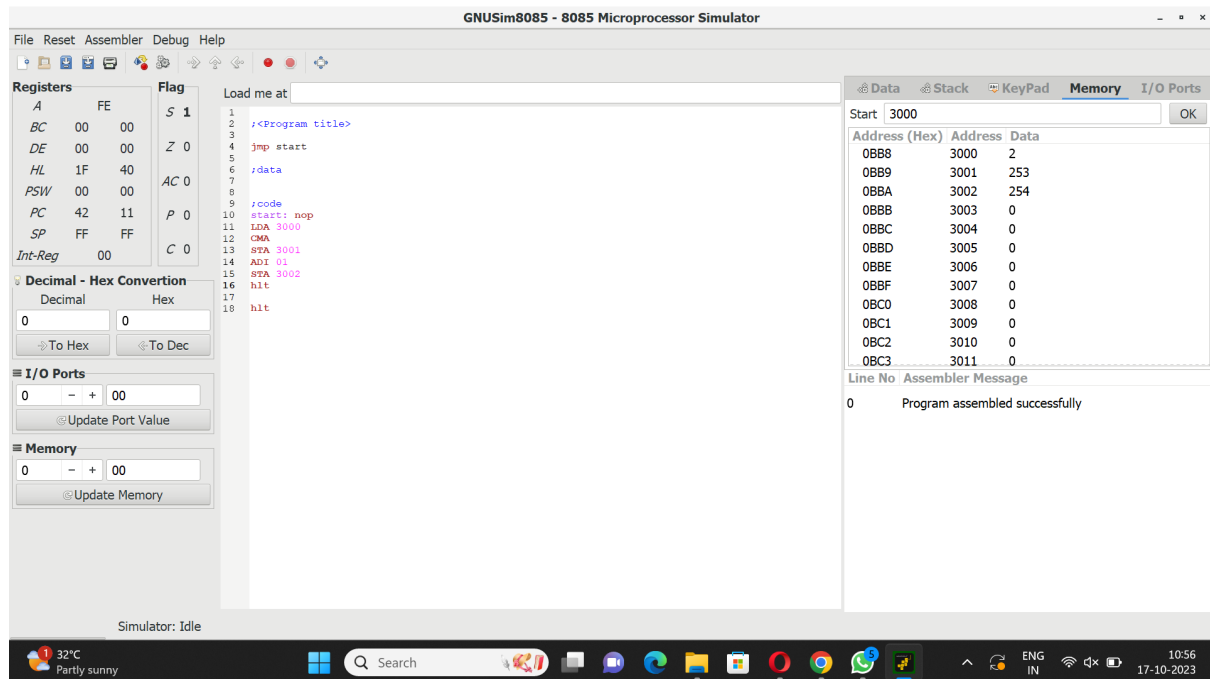
**PROGRAM:**

LDA 3000

CMA

STA 3001

ADI 01

STA 3002

HLT

**INPUT:**

| Address (Hex) | Address | Data |
|---|---|---|
| 0BB8 | 3000 | 2 |

**OUTPUT:**

**RESULT:**

Thus the program was executed successfully using 8085 processor simulator.