

## 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 the 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

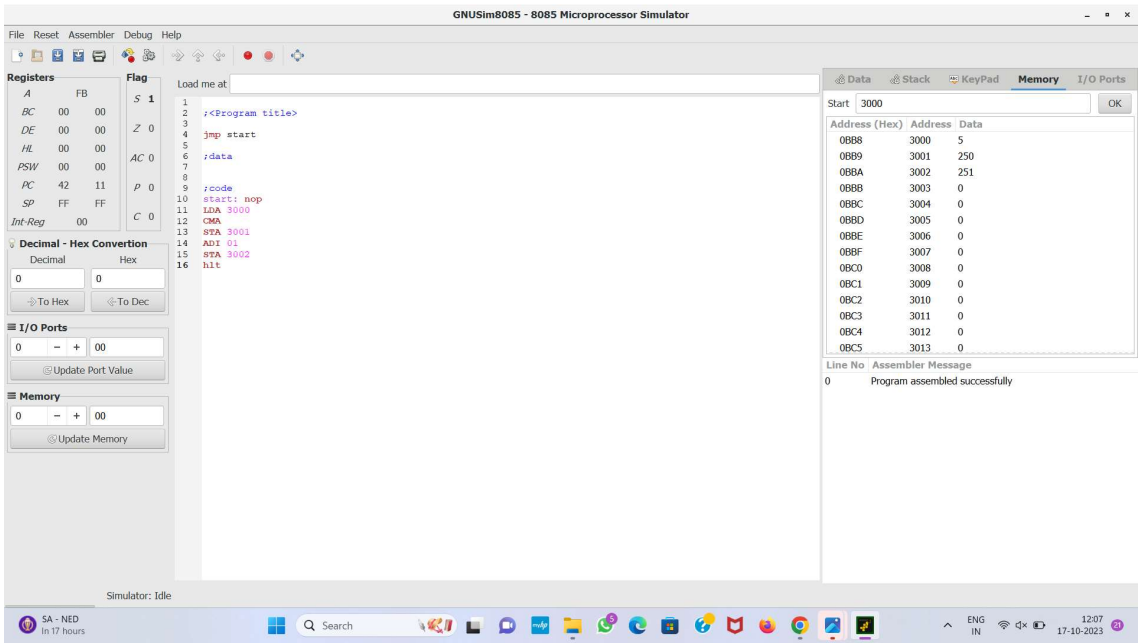
STA 3002

HLT

**INPUT:**

Start	3000	OK
Address (Hex)	Address	Data
0BB8	3000	5

OUTPUT:



**RESULT:** Thus the program was executed successfully using 8085 processor simulator.