

## 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.

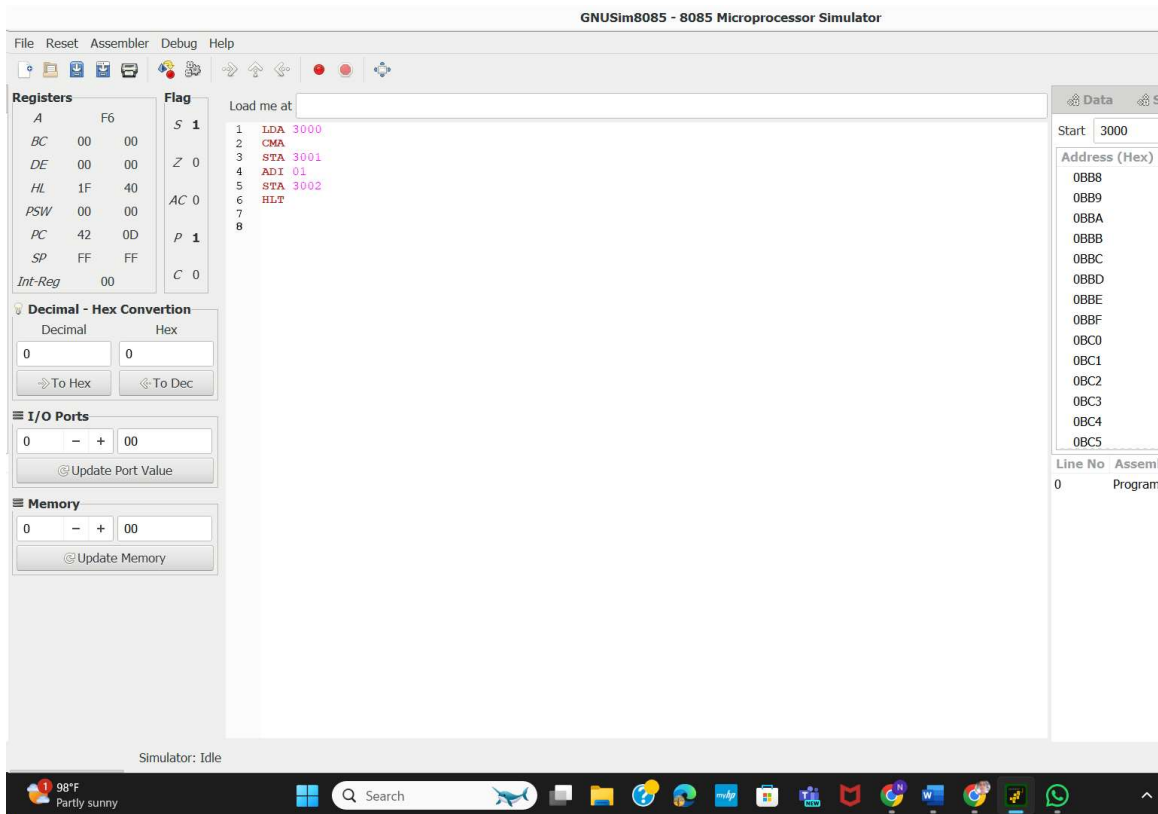
### PROGRAM:

```
LDA 3000  
CMA  
STA 3001  
ADI 01  
STA 3002  
HLT
```

### INPUT :

Address (Hex)	Address	Data
0BB8	3000	10

### OUTPUT



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