EXP NO: 2

AIM:

To write an assembly language program to implement 8-bit subtraction using 8085 processor.

ALGORITHM:

- 1) Start the program by loading the first data into the accumulator.
- 2) Move the data to a register.
- 3) Get the second data and load it into the accumulator.
- 4) Subtract the two register contents.
- 5) Check for borrow.
- 6) Store the difference and borrow in the memory location.

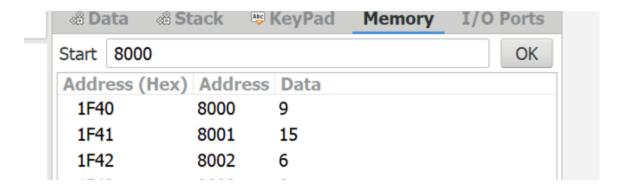
	MOV B, A						
	LDA 8001						
	SUB B						
	STA 8002						
	RST 1						
INPUT:							

7)

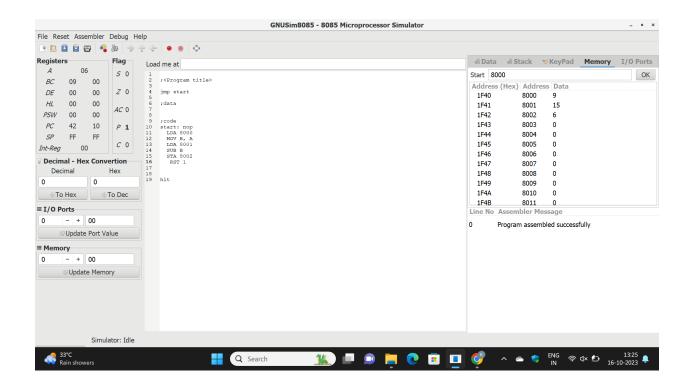
PROGRAM:

Halt.

LDA 8000



OUTPUT:



RESULT: Thus

the program was executed successfully using 8085 processor simulator