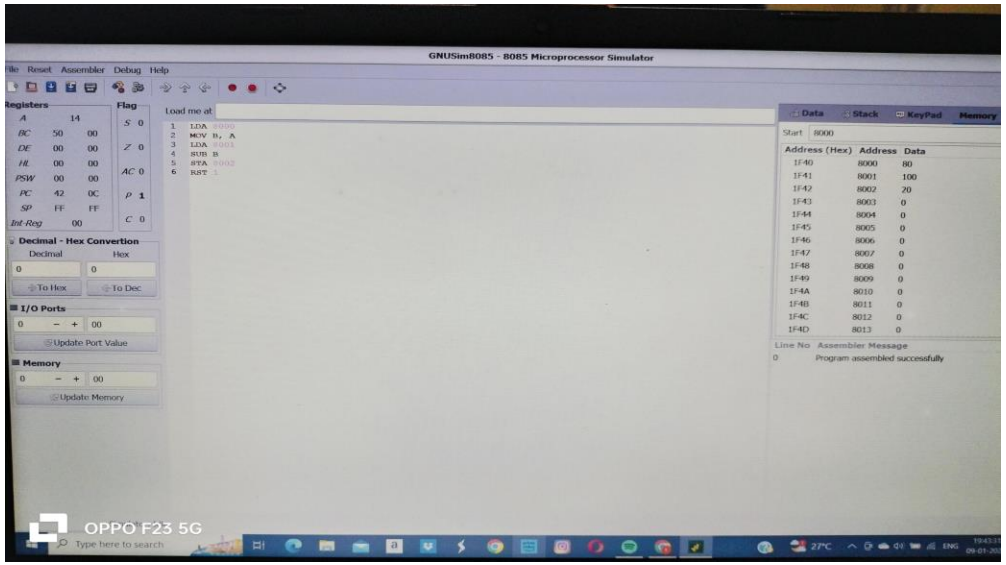
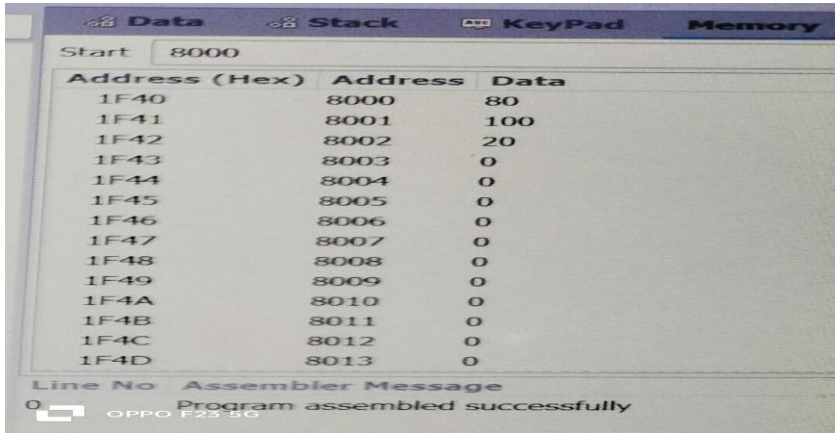
- AIM:To write an assembly language program to implement 8-bit subtraction using 8085 processor.
- ALGORITHM:
- 1) Start the program by loading the first data into the accumulator.
- 2) Move the data to a register.
- 3) Get the second data and load it into the accumulator.
- 4) Subtract the two register contents.
- 5) Check for borrow.
- 6) Store the difference and borrow in the memory location.
- 7) Halt.
- PROGRAM:
- LDA 8000
- MOV B, A
- LDA 8001
- SUB B
- STA 8002
- RST 1

- Input



- output



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