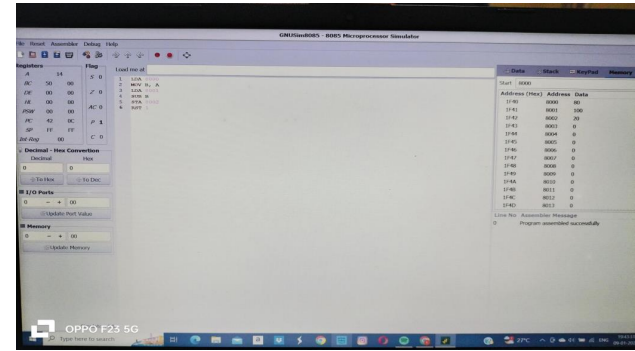
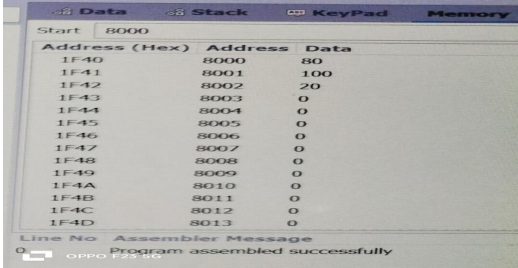


- AIM: To write an assembly language program to implement 8-bit subtraction using 8085 processor.
- ALGORITHM:
 - 1) Start the program by loading the first data into the accumulator.
 - 2) Move the data to a register.
 - 3) Get the second data and load it into the accumulator.
 - 4) Subtract the two 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.