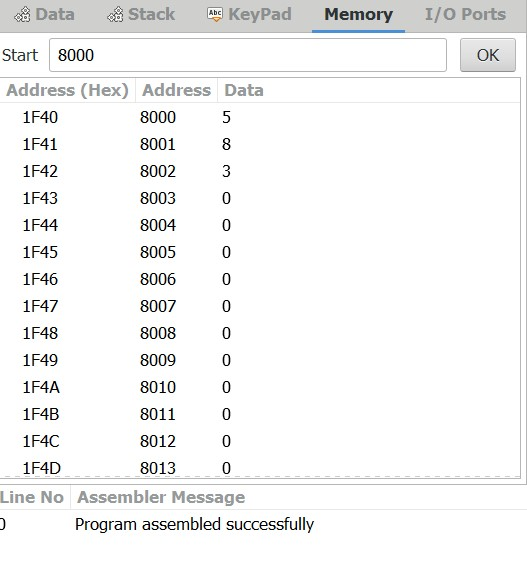
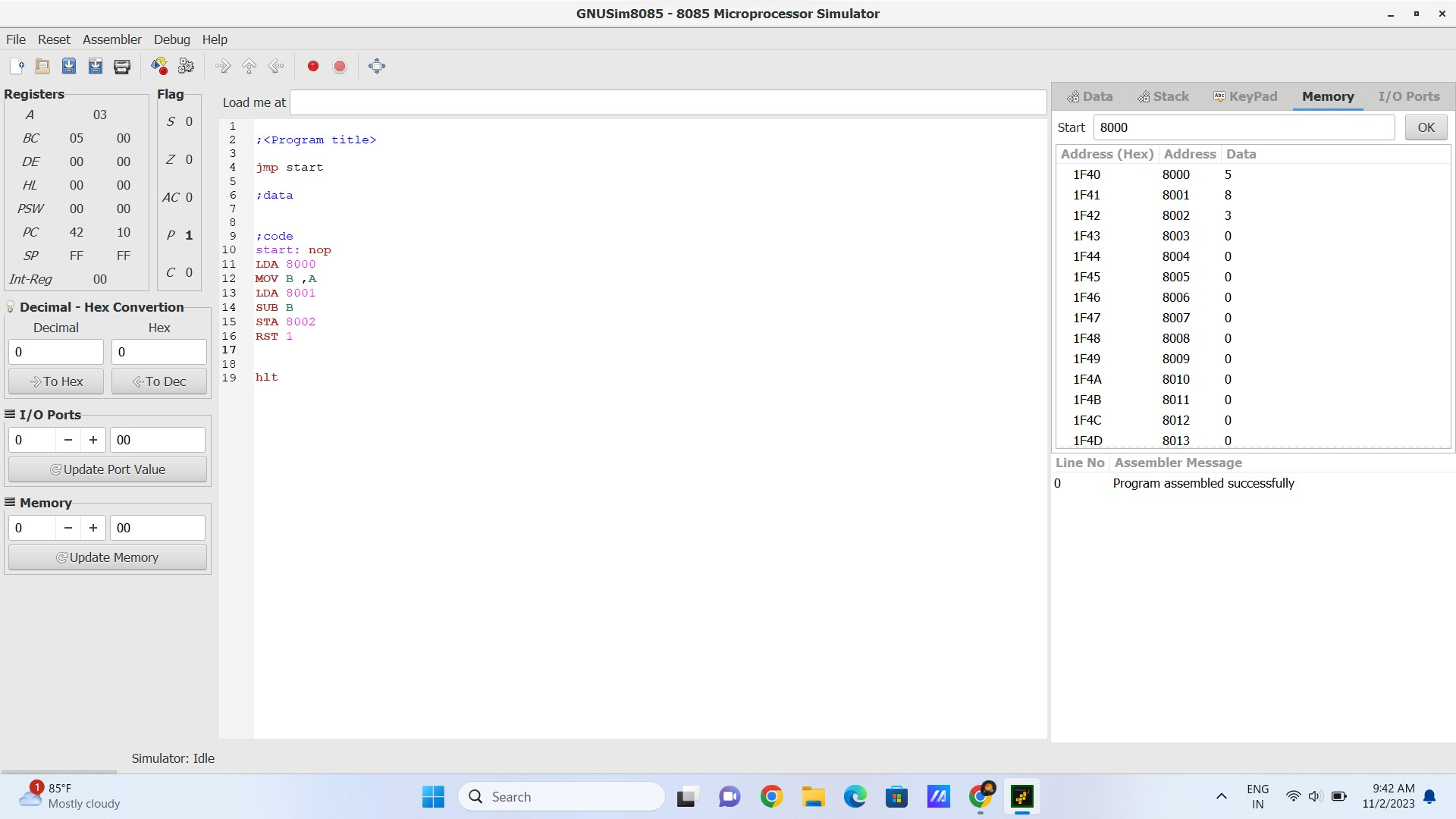
**8-BIT SUBTRACTION**  
  
**EXP NO: 2**  
  
**AIM:**

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.  
  
  
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.