**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:**

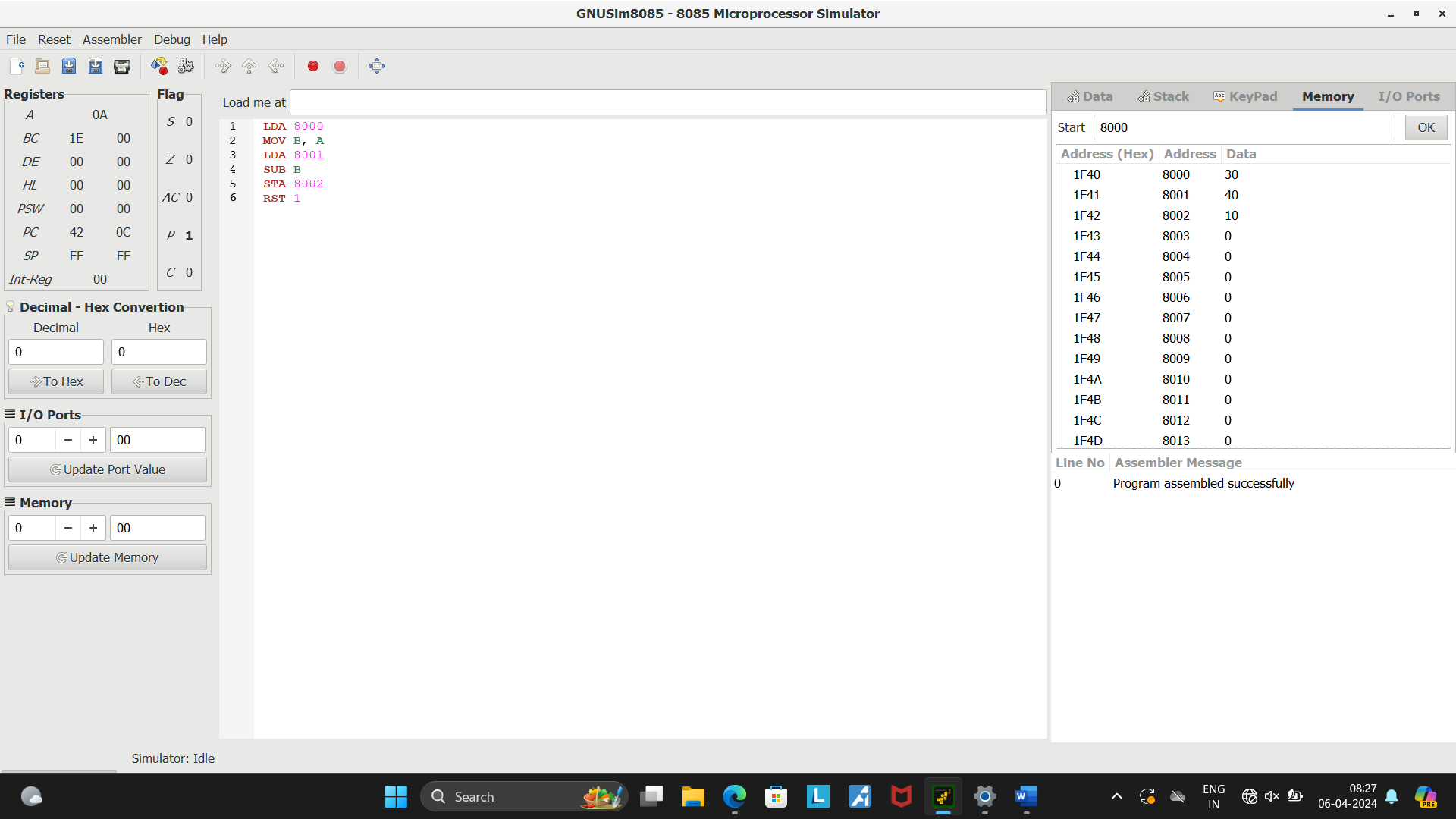
**LDA 8000**

**MOV B, A**

**LDA 8001**

**SUB B**

**STA 8002**

**RST 1**