

ROTATE LEFT OPERATION

EXP NO: 18

AIM: To compute rotation of given data in left without carry using 8085 processor.

ALGORITHM:

- 1) Load the base address of the array in HL register pair.
- 2) Move the data from memory location into the accumulator.
- 3) Shift left the accumulator content for four times.
- 4) Store the result in the specified location.

PROGRAM:

MVI A,02

RLC

RLC

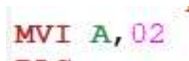
RLC

RLC

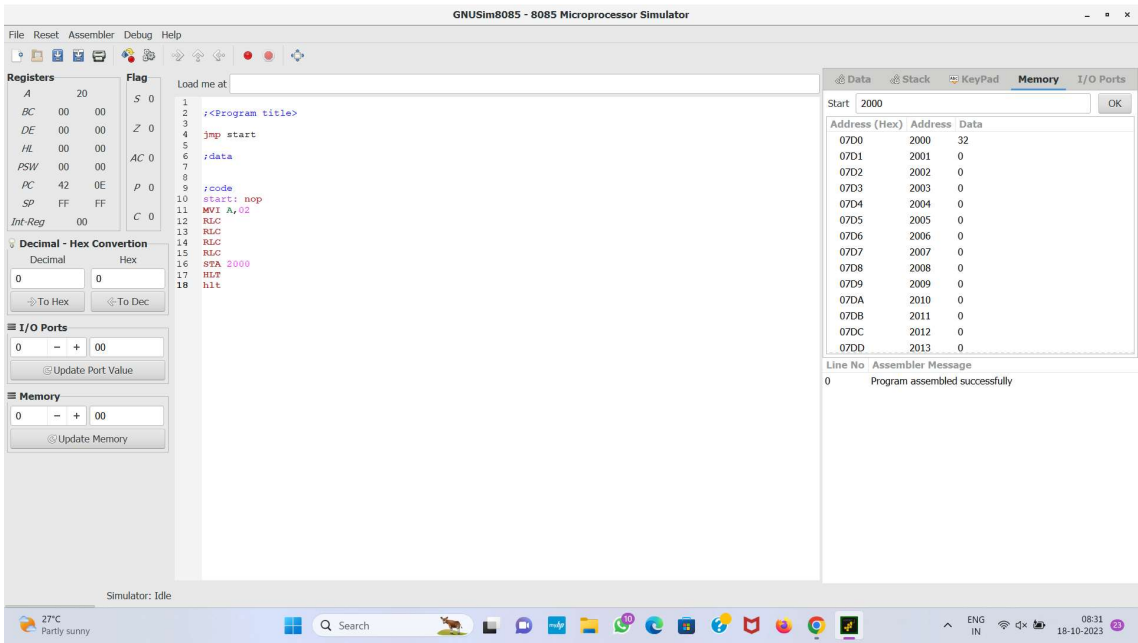
STA 2000

HLT

INPUT:

A screenshot of a text editor showing the assembly instruction 'MVI A, 02'. The text is in a monospaced font, with 'MVI' in red, 'A' in green, and '02' in purple. The text is highlighted with a light blue background.

OUTPUT:



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