

## **ROTATE RIGHT OPERATION**

**EXP NO: 19**

### **AIM:**

To compute rotation of given data in right 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 accumulator.
- 3) Shift right the accumulator content for four times left.
- 4) Store the result in the specified location.

### PROGRAM:

MVI A,03

RRC

RRC

RRC

RRC

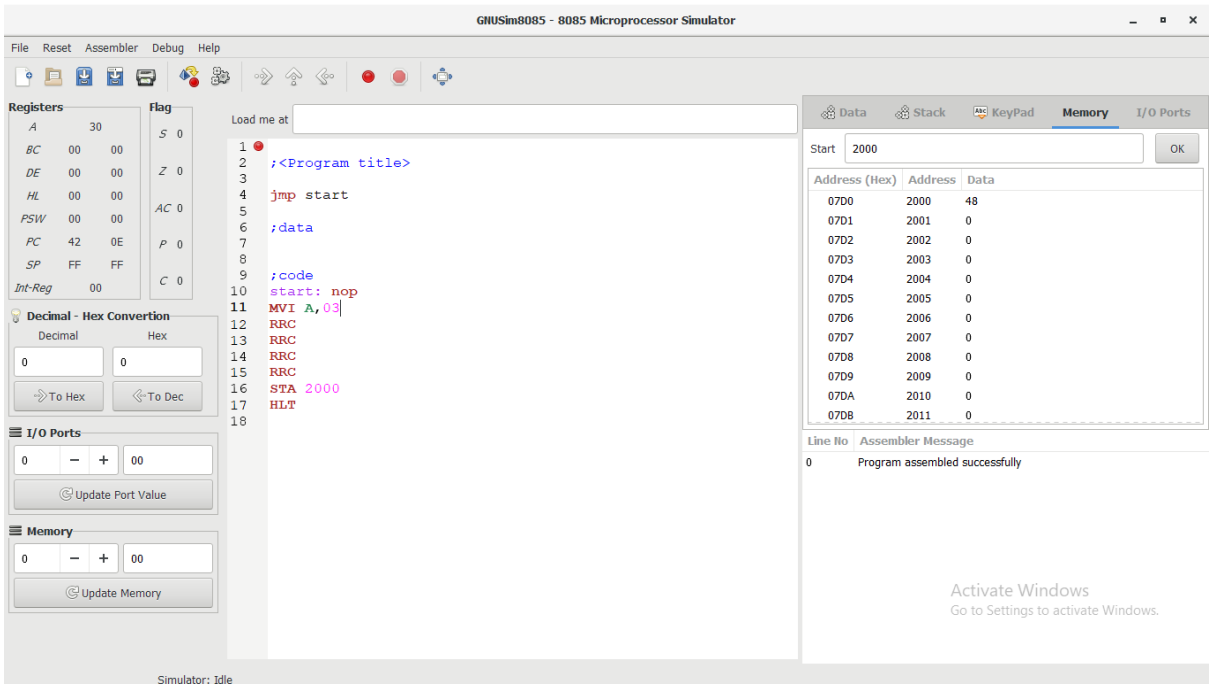
STA 2000

HLT

### INPUT:

Data Stack KeyPad Memory I/O Ports		
Start	<input type="text" value="2000"/>	
<input type="button" value="OK"/>		
Address (Hex)	Address	Data
07D0	2000	48
07D1	2001	0
07D2	2002	0
07D3	2003	0
07D4	2004	0

OUTPUT:



**RESULT:**

Thus the program was executed successfully using 8085 processor simulator.