Experiment 7.

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Branch: CSE **Section/Group: CSE 6 A**
Semester: 4th **Date of Performance: :06/04/2021**
Subject Name: MPI Lab **Subject Code:CSP-277**

1. Aim:

To perform Shifting operation on 8 Bit.

2. Task to be done:

1. Shift left 8-Bit number by 1 bit.

2.Shift left 8-Bit number by 2 bit.

3. Apparatus/Simulator used :

8085 trainer kit/ Jubin 8085 simulator.

4. Algorithm/Flowchart:

STEP1: START
STEP2: load accumulator with content at memory location 2000
STEP3: use instruction RAL which stands for rotate accumulator left
STEP4: store the data in accumulator
STEP5: halt the process
STEP6: give starting address and value
STEP7: END

5. Description/ Code:

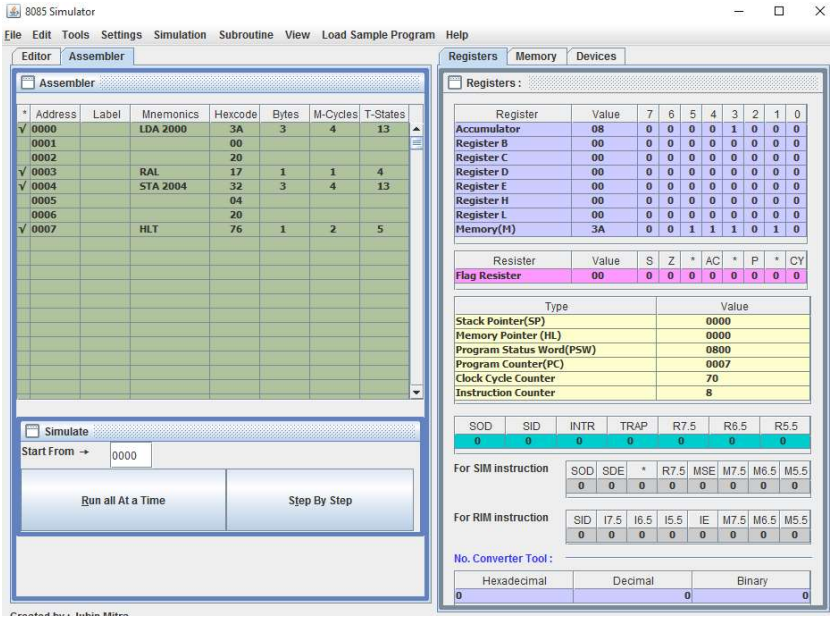
SHIFT 1 BIT

```
LDA 2000
RAL
STA 2004
HLT
#ORG 2000
#DB 04
```

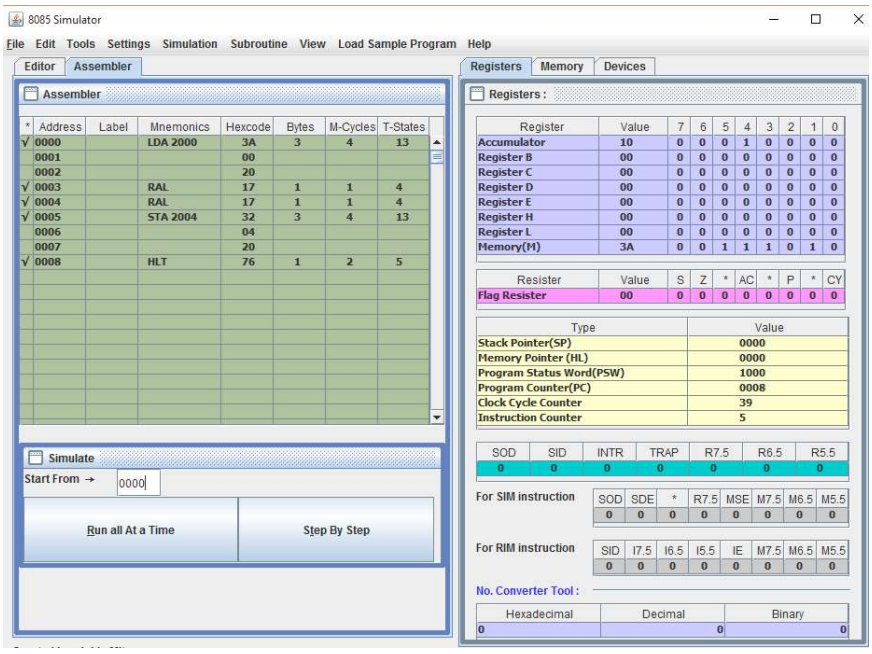
SHIFT 1 BIT

```
LDA 2000
RAL
RAL
STA 2004
HLT
#ORG 2000
#DB 04
```

6. Result/Output/Writing Summary:



SHIFT 2 BIT



Learning outcomes (What I have learnt):

I. We learnt about the 8085 microprocessor trainer kit.
II. We studied various components of the trainer kit and analyzed them.
III. We studied about various types of instructions as well.
IV. We learnt about the microprocessor simulator and were able to identify the components in digital edition.
V. Learnt to use digital simulator.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			