



Experiment No.10

Student Name	UID:
Branch: CSE	Section/Group:
Semester: 4th	
Date of Performance:	
Subject Name: Microprocessor and Interfacing Lab	
Subject Code: 20CSP-253	
1 4 70	
1. Aim/Overviewofthepractical:	
• Find the smaller number in andata array. □	
2. Taskto bedone:	
 Find the smaller number in andata array. □ 	
$3.\ Apparatus/Simulatorused \ (\textbf{For applied/experimental sciences/material}) \ and \ apparatus/Simulatorused \ (\textbf{For applied/experimental sciences/material}) \ apparatus/Simulatorused \ (For applied/experimental sciences/material) \ apparatus/Simulatorused \ (\textbf{For applied/experimental sciences$	ls-basedlabs):
1. JubinApplication 2. 8085Simulator 3. JDK	
4. Description/Code:	
Find the smaller number in an data array.	
#BEGIN 0000H	
LXI H,5000;	
MOV B,M;	
INX H	



MOV A,M;





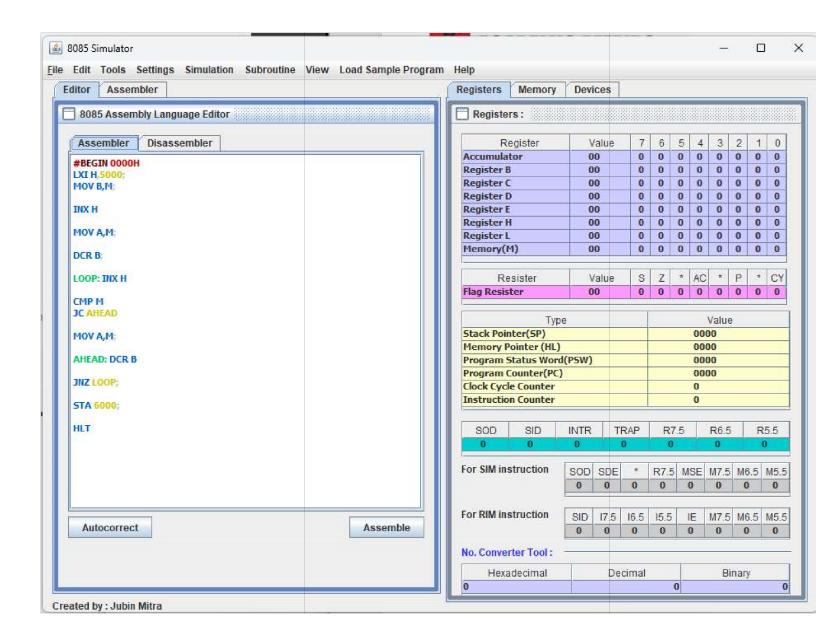
DCR B;
LOOP: INX H
CMP M JC AHEAD
MOV A,M;
AHEAD: DCR B
JNZ LOOP;

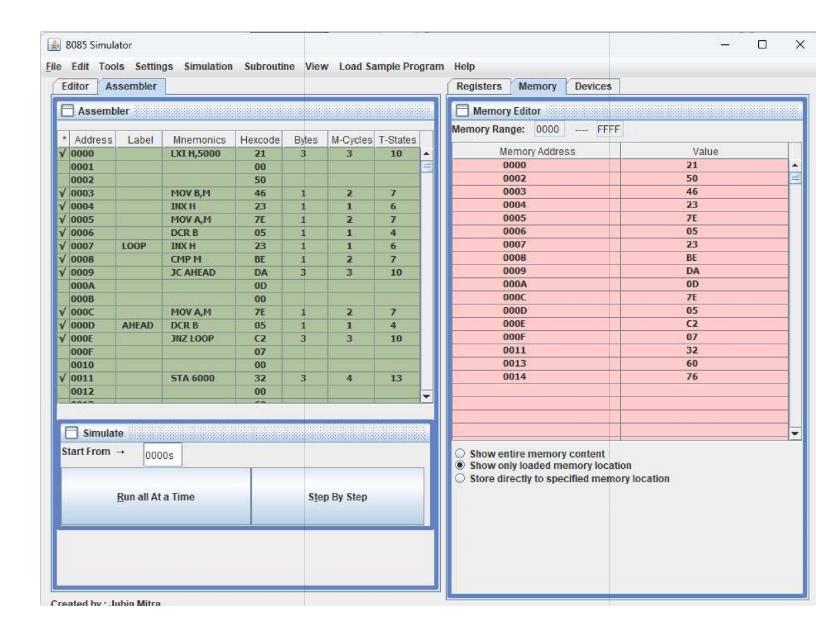
HLT

STA 6000;

OUTPUT:







Learningoutcomes(WhatI havelearnt):

- 1. Workingofmicroprocessors.
- 2. Learnhowtocomplementdatainmicroprocessors.
- 3. Learnabout8085simulator.
- 4. Operationsof16-bit numbers.
- 5. Learn aboutthedifferentinstructionsthat areneeded to be given to the memory toper form sometasks

 $Evaluation Grid (To be created as per the SOP\ and Assessment guide lines by the faculty):$

Sr.No.	Parameters	MarksObtained	MaximumMarks
1.			
2.			
3.			

