

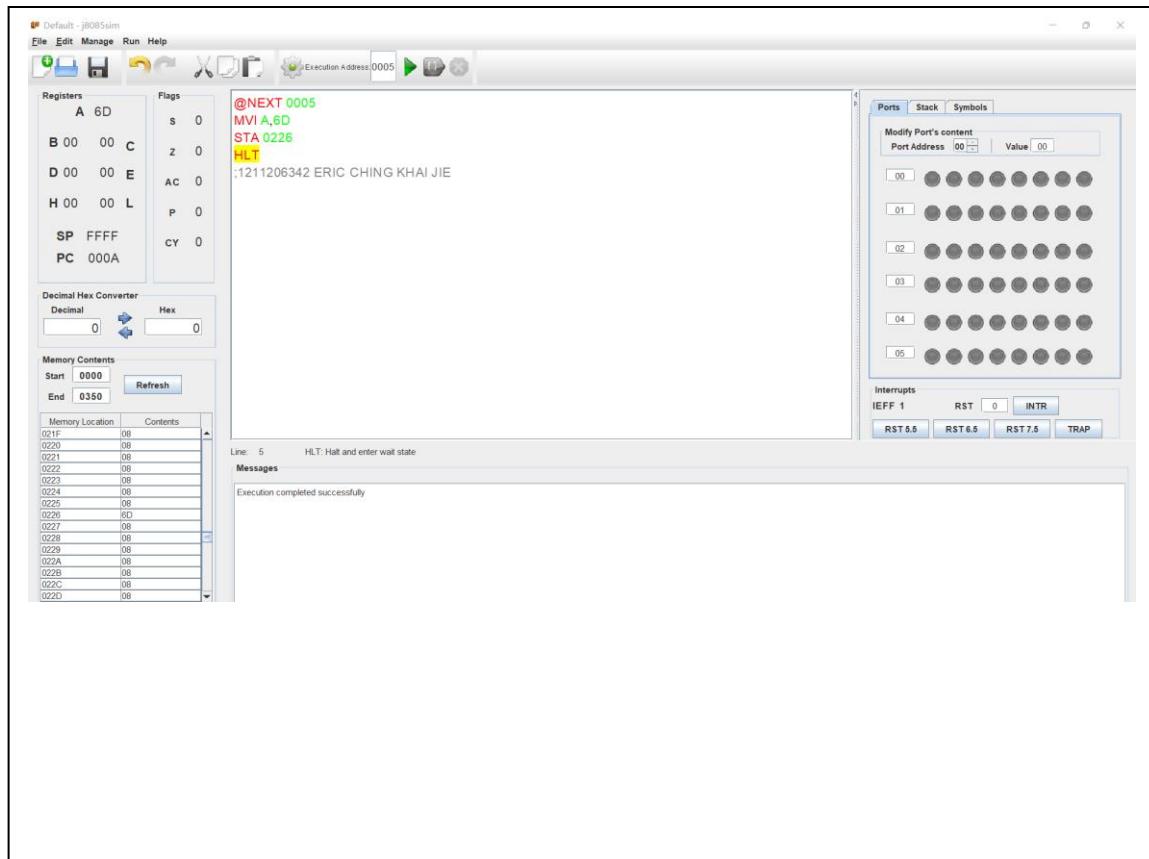
**LAB 1: INTRODUCTION TO 8085 SIMULATOR****SUBMISSION QUESTIONS**

1. Store the data byte **6DH** into memory location **0226H**. Set the next memory address to **0005H** (Set the address of memory contents from **0000H** to **0350H**).

[2 Marks]

<b>SOLUTION</b>	
@NEXT 0005	//The next memory address
MVI A,6D	//Load Register AC with 6DH
STA 0226	//Store the AC content to memory location 0226H
HLT	//Terminate program execution

Paste the screenshot of your 8085 Simulator.

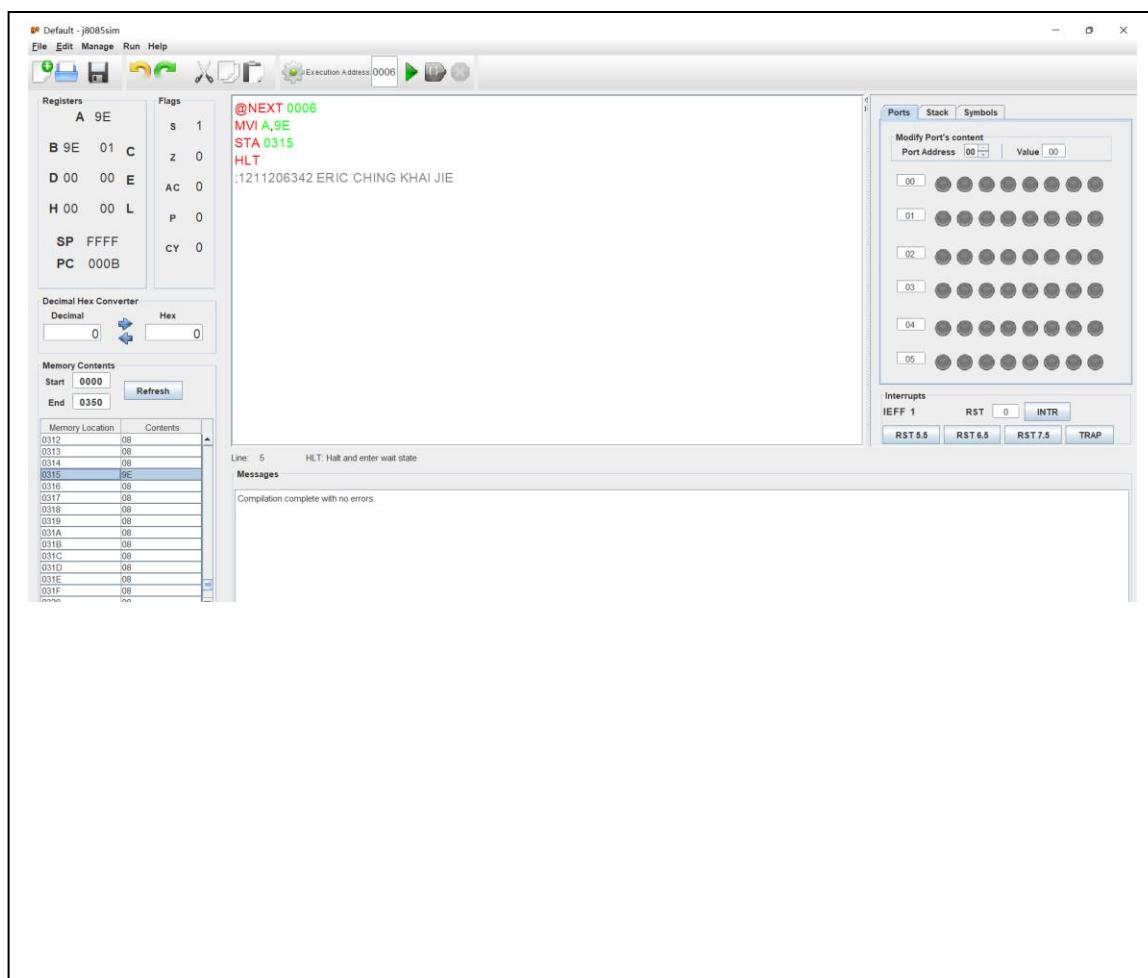


2. Store the data byte **9EH** into memory location **0315H**. Set the next memory address to **0006H** (Set the address of memory contents from **0000H** to **0350H**).

[2 Marks]

<b>SOLUTION</b>	
@NEXT 0006	//The next memory address
MVI A,9E	//Load Register AC with 9EH
STA 0315	//Store the AC content to memory location 0315H
HLT	//Terminate program execution

Paste the screenshot of your 8085 Simulator.



3. Exchange the contents between memory locations **0226H** and **0315H**. Set the next memory address to 0007H (Set the address of memory contents from 0000H to 0350H).

[6 Marks]

<b>SOLUTION</b>	
@NEXT 0007	//The next memory address
LDA 0226	//Load data from memory location 0226H to AC
MOV B, A	//Copy the content in AC to register B
LDA 0315	//Load data from memory location 0315H to AC
STA 0226	//Store the AC content to memory location 0226H
MOV A, B	//Copy the content in register B to AC
STA 0315	//Store the AC content to memory location 0315H
HLT	//Terminate program execution

Paste the screenshot of your 8085 Simulator.

