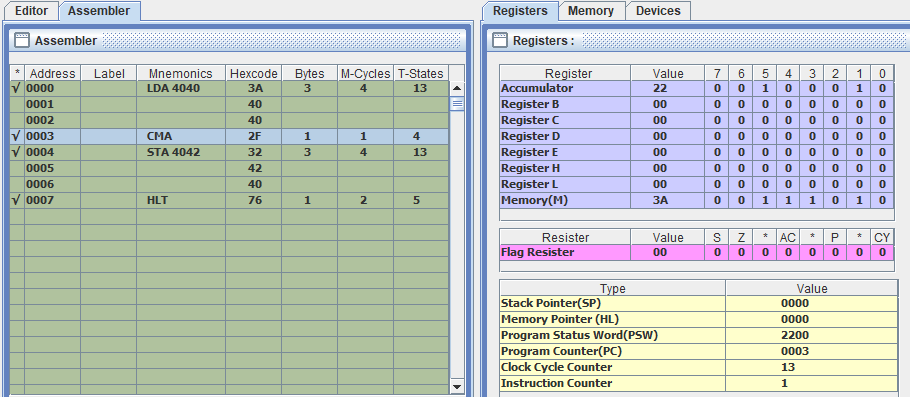
**Experiment 2**

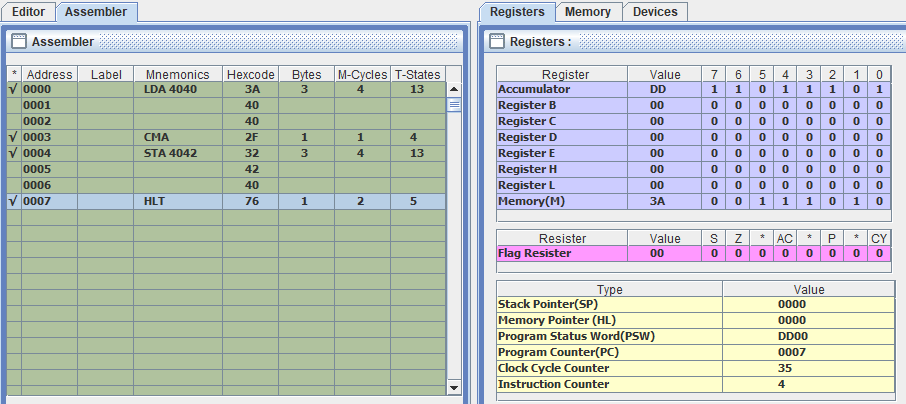
**Part A**

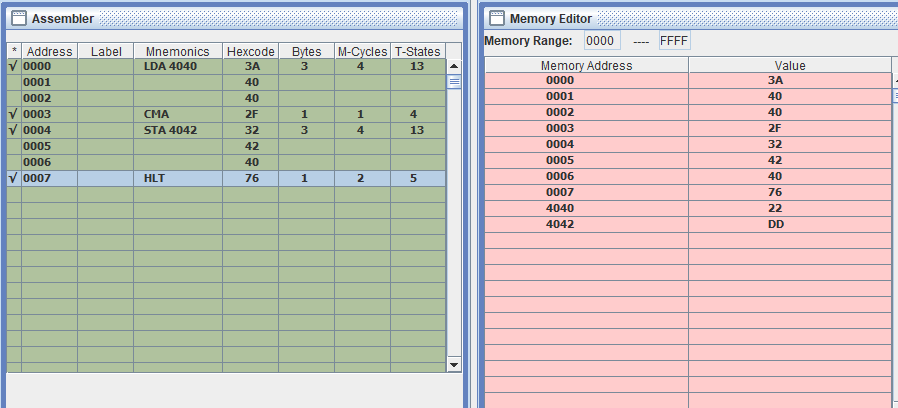
Code:



Output:





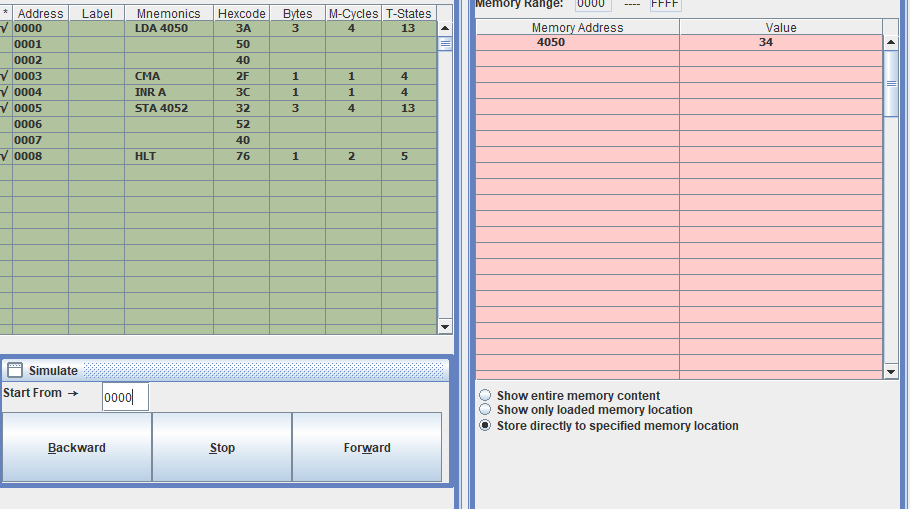


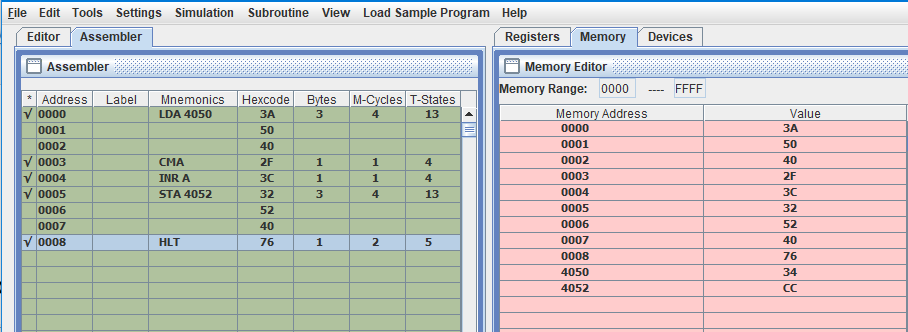
**Part B**

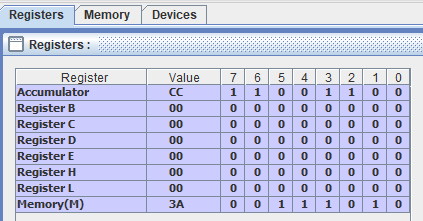
Code:



Output:

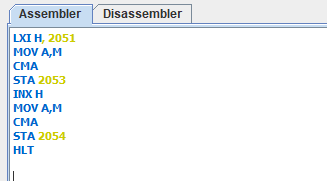




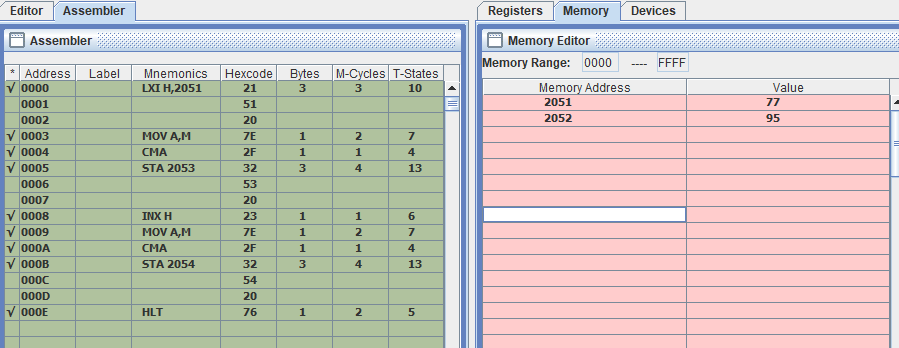


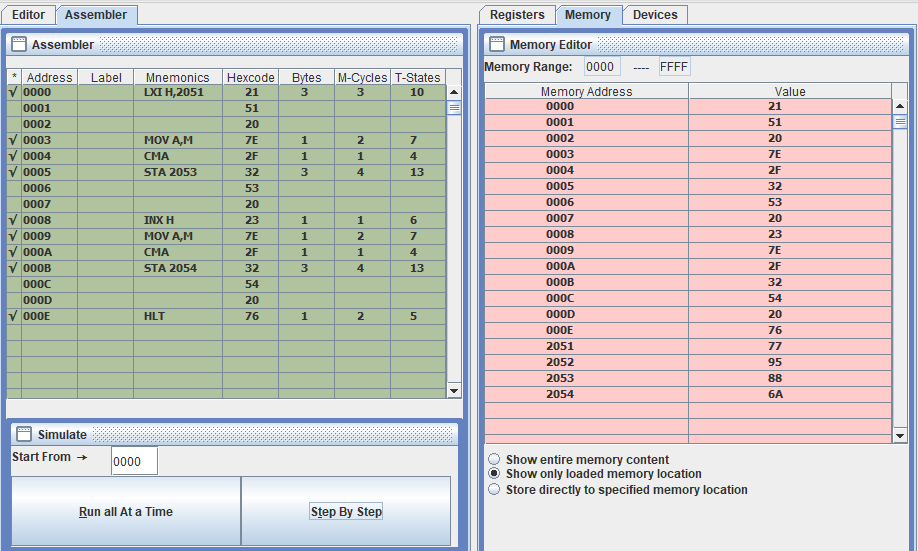
**Part C**

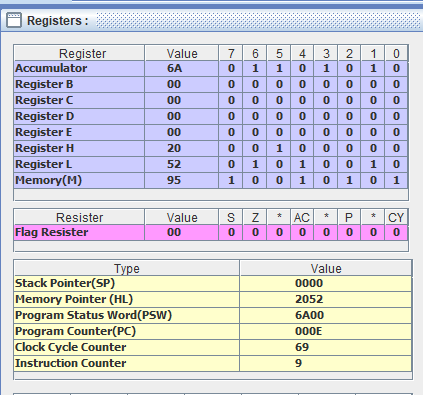
Code:



Output:



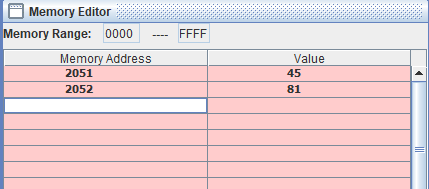




**Part D**

Code:





Output:

