CS 4315 Operating Systems

Multicore Topic Lab 1 – Java Mutual Exclusion

Experiment with the attached Java program <Counter.java> on the Cluster.

1. Run the program as is and observe that the values of two counters, which are supposed to be always the same. Increase the maximum value of the counters. Do you see the message that says "Two counters are discrepant"?

2. Modify the program that ensures the two counters always have the same value.

Turn in the modified program (Counter.java file) in Blackboard Learn by the beginning of next class time.