CSC 241

Lab 4

Given the following files (see Extra Files):

IncreaseFactorial.java

FactorialCounter.java

TestFactorial.java

Complete the parallelized version of the factorial method (n!).

The **multipleIncrement** method of the **FactorialCounter** class needs to be completed such that it uses the **increment** method.

The **result** needs to be computed before it is returned from the **factorialParallel** method of **TestFactorial** class.

Answer the following questions:

- 1) Remove the comments within the **run** method of the **IncreaseFactorial** class and observe the different threads executing with their various **hold** values.
 - Do all four threads get to work all of the time?
- 2) Update the code to use only two threads. Does it run faster? Why, or why not?
- 3) Why does the parallelized method run slower than the serial version?