

## Question:

Find the Maximum Integer in a LinkedList in parallel.

Class **ParallelMaximizer**, method max

**Note:** Since this method invokes several ParallelMaximizerWorkers, it is expected to be thread safe. The method runs numThread number of threads and then joins them. You are responsible for computing the partial maximum from these results by calling getPartialMax() from each ParallelMaximizerWorker.

Class **ParallelMaximizerWorker**, method run

**Note:** This method should find the maximum for all integers processed by this worker, which can be combined to find the overall maximum. If the list is not empty, the function synchronizes on it to prevent access by other threads and removes the head node, storing its value in the variable number. You are responsible for taking this value and evaluating the new partial maximum.

- Note: It is not acceptable that only one of the workers computes the maximum / average. Insure that all of the workers participate in this process. Show the results of each of the worker.

Additionally, you should modify the PublicTest.java so that it can be used for the testing of the computation of the walking average.