INFSCI 2500

Homework 3

The assignment is to write a java program which illustrates the differences in the performance of ArrayLists and LinkedLists. The program should create and populate an ArrayList and a LinkedList with 1 million entries each. Then the program should loop though each list and access each entry. The entries do not need to be printed out. Next, the program should loop through the lists and remove each entry. Time each step independently for each list. Print out the time taken for add, get, and remove for both lists.

Submit the following:

1. The java source file(s).

Zip all files and name it “HW3\_Your\_Name”. Then submit it on Canvas.

Grading:

5 points: Submitting the source file(s) which compile and run without errors.

5 points: The program performs as laid out above.

This assignment is due October 9 at 6 PM. Late submissions will not be accepted!

Example Output:

