CSC403 Programming Assignment

Write a java program that reads from the input a list of floating point numbers (one per line) and stores them in a binary search tree. Then the program computes:

- The sum of all the numbers. (2 points)

- The sum of the squares of the numbers (2 points)

- The number of links to travel from the smallest number to the largest number (4 points)

- The maximum distance between two nodes in the tree (4 points).

The output should also be in the form of 4 numbers, one per line.

Your code should be indented and the input/output of each function should be documented within /* comments */. Smaller code is better than longer code. Submit a single file called "CSC403A1.java" (not zipped).