INFSCI 2500

Homework 4

The assignment is to write a java program which implements the methods inOrder, postOrder, preOrder, and breadthFirst in the file SimpleBinaryTree.java. The program has already been created with a main method which constructs the binary tree these methods will operate on and also calls the methods. (We did this in class) The methods should simply print out the tree one element at a time.

Hint: breadthFirst requires the use of a queue object, and you can use one of the queue classes we have already created in class for this.

Submit the following:

1. The java source files.
2. A pdf readme file which includes the output you got from your program.

Zip these items together and name it “HW4\_Your\_Name”. Then submit it on courseweb.

Grading:

2 points: Submitting the source files and pdf with output, and source files compile and run without errors.

1 point: inOrder

1 point: postOrder

1 point: preOrder

1 point: breadthFirst

This assignment is due October 24 at 5:59 PM. Late submissions will not be accepted!

Example output:

