Homework 8

See the code provided in the userid directory, which implements a Node class that allows binary trees to be built whose data is an Int object. Convert this code into a Template class that is parameterized by a single type T that is the type of the *data* field in Node. Types for T must be primitives or overload operator<, operator> and operator==. I have provided an Int class which meets these constraints. You should provide a Float class that also meets these conditions. For the Float class, use an array of float values that contain the values 5.1, 1.1, 7.1, and 15.1 to initialize the Float nodes.

What to turn in:

Turn in your code in a directory called **<userid>**, where **<userid>** is your Purdue login/userid. g++ *.cpp followed by ./a.out in the **userid** directory should allow this code to compile and run. Zip up the userid directory and turn it in.

Grading:

1 point for compiling with templates implemented
3 points for working with Int
3 points for working with Float
3 points for working with float.