CptS 223 Micro Assignment #2 (first one was a quiz)

For this micro assignment, you must implement a binary search tree print function for a level order printout for the supplied BST class. Included with this file is a BST class that includes everything but the PrintLevelOrderHelper function implemented. The InOrder, PostOrder, and PreOrder functions are already done, but the LevelOrder one needs finishing. Note that LevelOrder uses a queue-based solution instead of the stack based ones we've seen before. Your solution MUST use the C++ STL queue class. The solution is easiest done with a loop instead of recursion.

The code must compile and run on the EECS servers using g++. As provided, it compiles and runs with text output describing the problem. That text should be replaced with the proper output just like the other tree printout functions.

Grading

Your submission will be graded based on the following:

1. [7] Your modifications cause no runtime issues and your PrintLevelOrder prints out the given tree in the proper order level order: 4 2 6 1 3 5 7 9 8
2. [3] Your modifications contain good style. For example,
    - You provide meaningful variable names
    - You provide sufficient and meaningful comments
    - Your code is well structured

Due Date

This assignment must be submitted as a zip file containing your source code through Blackboard no later than 11:59pm on Friday, September 30, 2016.