Programming Exam Choice 15

Start by downloading the question 15 files from the moodle into a new directory on your machine. You will be changing the code in the question15.cpp file. You have a Makefile to handle building this code. (I have included my solution code for the binary search tree here, but you can't easily read it because it's in an .o file. That's so you can trust the basic functions to work.)

Part 1. 10 points

You will complete this function to build a mirrored binary search tree from an existing binary search tree.

```
binary_tree_node* mirror_tree(const binary_tree_node* root_ptr)
{

}
```

This tree will keep numbers bigger than the root in the LEFT subtree and numbers smaller than the root in the RIGHT subtree. Mirroring an empty tree should not change anything, nor should mirroring a single binary tree node. (Understanding how trees are copied may help here.)

Test your code on my trees and when you are satisfied, please upload your question15.cpp file to the moodle. Your TA may ask you to zip other files in as well.

Logic of problem laid out in comments:	50%
Code compiles with no errors or warnings:	10%
Code has no run time errors:	10%
Code gives correct answers for all inputs:	20%
Code is clean and easy to read:	10%