Lab 7

Due April 10

Starter file and tester

- Starter file lab7.h
- tester: lab7tester.cpp

Add functions to bst

Implement the following 3 member functions:

```
void remove(const T& data);
```

- function removes the node containing data

```
int depth(const T& data);
```

- function returns the depth of the node with value of data. If no such node exist function returns -1

```
BST(const BST& rhs);
```

- copy constructor duplicates rhs into current object

Submitting your lab

In order to get a mark for this lab, you must submit:

- a test verification
- your code via github

Please make sure you follow the steps listed below fully

Submit a test verification

To submit your program please run the following command in the same directory as your lab1 source on matrix:

```
~profFirstName.profLastName/submit dsa555-L7
```

This step only verifies that you have compiled and tested your program on matrix.

Submitting your code on github

- ensure that you have added and committed all your code to lab7working
- push your code into github lab7working (git push origin lab7working)
- On github, perform the pull request to merge lab7working into master
- on matrix, checkout your master branch (git checkout master)
- on matrix, pull your repo (git pull origin)
- **DO NOT ZIP YOUR FILES PLEASE!**
- **DO NOT PUT YOUR WORK INTO MORE SUBFOLDERS. lab7.h should be in lab7 folder.. that's it**

All branches should be pushed to your private DSA555 github repos (These were provided by completing lab 0). **DO NOT** put it in your own public repo as **that would violate academic policy (cheating)**