

CSE 211
Data Structures
Fall 2022
Labwork 5

You are given a Tree implementation. This Tree implementation includes two member functions: **insert** and **count**. The insert function inserts elements into the tree using BST (Binary Search Tree) logic. Your task is to complete the implementation for the function count.

The count function takes three parameters: **small**, **big**, and **level**. This function counts the number of elements in the tree which are between small and big (both are inclusive), and are on the **level**th level.

For example, a function call to count, such as

tree.count(10, 30, 6);

should return the number of elements on the 6th level, which are between 10 and 30 (both inclusive).

There is no need to say that the contents of the tree should remain intact after a call to the count function. You are not allowed to modify **tree.h**. Send your work in **tree_count.h** only.