Data Structure: Assignment #8

Programming problems:

- 1. Implement the following functions on binary trees:
 - a) Count the number of nodes in a binary tree.
 https://www.geeksforgeeks.org/count-the-number-of-binary-search-trees-present-in-a-binary-tree/
 - b) Count the number of leaves in a binary tree. https://www.geeksforgeeks.org/write-a-c-program-to-get-count-of-leaf-nodes-in-a-binary-tree/
 - c) Count the number of right children.
 - d) Search a node in a binary tree. https://www.geeksforgeeks.org/search-a-node-in-binary-tree/
 - e) Find a sub-tree in a binary tree.
 - f) Find the height of the tree.

https://www.geeks for geeks.org/write-a-c-program-to-find-the-maximum-depth-or-height-of-a-tree/

- g) Delete all leaves from a binary tree. https://www.geeksforgeeks.org/remove-leaf-nodes-binary-search-tree/
- 2. In this problem, we would like to build a binary search tree from its pre-order traversal. You are given as input the pre-order traversal of a binary search tree. Please write a program to reconstruct the binary search tree from its pre-order traversal.