

Data Structure: Assignment #7

1. Implement the following functions on binary trees:

- a) Count the number of nodes in a binary tree.
- b) Count the number of leaves in a binary tree.
- c) Count the number of right children.
- d) Search a node in a binary tree.
- e) Find a sub-tree in a binary tree.
- f) Find the height of the tree.
- g) Delete all leaves from a binary 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.