

**Assignment 13 – Trees**

1. Check if tree contains x or not
2. Find number of Nodes greater than an integer x
3. Find the node for which sum of the data of all children and the node itself is maximum.
4. Given two trees, return true if they are structurally identical i.e. they are made of nodes with the same values arranged in the same way.
5. Given a tree and a number n. Find next larger element in the Tree i.e find a node with value just greater than n.
6. Find the second largest value in the tree.
7. Count number of leaf nodes in a tree.
8. Replace each node with its depth value