Problem Set 7

1. Find sum of all the elements in the binary tree.
2. Convert a tree to its mirror image.
3. Check if two trees are mirrors of each other.
4. Construct a binary tree given its in order and Pre order traversals.
5. For uniquely constructing a binary tree which traversals do we need?
6. Given a node in a binary tree, print all its ancestors / print the path from the node to the root.
7. Find the least Common ancestor of two nodes in a binary tree.
8. Print the elements of a tree in Zigzag Order.
9. Given n nodes , how many distinct binary trees can we construct

10. If a Node contains data, left, right and nextSibling, how to implement nextSibling presuming the rest of the tree is constructed??

11. Check if two trees are isomorphic (same structure).

12. Construct an expression tree from Postfix Expression.