

# Trees, Binary Trees

## Concepts:

- Binary Trees, N-ary Trees
- Creating a Tree (using both Nodes and arrays(for complete binary tree))
- Height/ Depth of the trees: <https://leetcode.com/problems/maximum-depth-of-binary-tree/>
- balanced binary tree: <https://leetcode.com/problems/balanced-binary-tree/description/>
- Traversal - Preorder, Inorder, Postorder (using recursion or iterative): <https://leetcode.com/problems/binary-tree-preorder-traversal/description/>
- Level Order Traversal: <https://www.geeksforgeeks.org/problems/level-order-traversal/1>
- creating tree using preorder and inorder: <https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/description/>
- maximum sum subtree: <https://www.geeksforgeeks.org/find-largest-subtree-sum-tree/>
- LCA of a tree: <https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/description/>
- distance between two nodes: <https://www.geeksforgeeks.org/problems/min-distance-between-two-given-nodes-of-a-binary-tree/1>