# TREE

*Basic Level Questions:*

- Create a class Tree consisting of 3 members (data, left pointer and right pointer) , including all these functions:
  - Insertion of Node
  - Deletion of Node
  - Inorder Traversal (Recursive and Iterative)
  - Preorder Traversal (Recursive and Iterative)
  - Postorder Traversal (Recursive and Iterative)
  - Level Order Traversal
  - Reverse Level Order traversal
  - Searching of Value
  - Height of tree
  - Diameter of Tree
  - Mirror of Tree
  - Check tree is balanced or not
  - Find minimum value in tree
  - Find maximum value in tree

[Follow here: https://www.geeksforgeeks.org/binary-tree-data-structure/ ]

- Create a class BST(Binary Search Tree) consisting of 3 members (data, left pointer and right pointer) , including all these functions:
  - Insertion into BST
  - Deletion from BST
  - Level order print
  - Traversal(inorder , preorder and postorder)
  - Searching a value in BST
  - Check if is BST or not
  - Find inorder successor and inorder predecessor
  - Print all root node to leaf node paths
  - Find min and max value in BST

[Follow here: https://www.geeksforgeeks.org/binary-search-tree-data-structure/ ]