

Lab Task 09

Make a menu driven program with the following functions:

1. **Insert in the tree:** Take a value from the user, and ask where to insert. The user will specify the node and also specify whether to make the new node the left/right child of the given node. Further clean the code by making the setLeft(), and setRight() method.
2. **Traverse the tree:** Further ask the user whether to do Preorder, Inorder, or Postorder traversal. Traverse and display the tree accordingly.
3. **Find depth of the tree:**
4. **Find the level of a specific node:** Enter the node's value to find its level.
5. **Search a value:** Enter a value and check whether it exists in the tree or not.
6. **Delete tree:** Delete the entire tree.

Note: Make all the methods in the tree class.