

Lab sheet 8

Binary Search Tree

- ~~1. Create a class BST and implement the insert function.~~
- ~~2. Implement inorder traversal in class BST~~
- ~~3. Create Driver class and insert the elements 30, 35, 40, 50, 12, 17, 45, 90, 23, 56 in order to an initially empty BST.~~
- ~~4. Perform inorder traversal of the tree created in question 3.~~
- ~~5. Implement postorder and preorder traversals in class BST.~~
- ~~6. Implement the delete function in class BST~~
- ~~7. Delete the element 17 from the tree created in question 3.~~
- ~~8. Print the postorder and preorder traversals of the tree~~
- ~~9. Implement the search function in class BST.~~
- ~~10. Search for the given elements and see the result: 40, 90, 32, 92, 56.~~
11. Using search function, display minimum and maximum elements in the tree.
- ~~12. Implement a function to find the height of the tree~~
- ~~13. Find the height of the tree created in question 3.~~
14. Implement a function to find the kth largest element in BST
15. Find the 5th largest element of the tree
16. Given a Binary Tree, convert it to a Binary Search Tree. The conversion must be done in such a way that keeps the original structure of Binary Tree.
