

Lab W2D4

Question 1.

Build a BST by inserting one element at a time. After each insert, please draw a picture. For this assignment, you can submit hand drawn pictures.

25, 20, 30, 28, 29, 15, 18, 23, 10, 35, 45, 33, 29

Question 2.

- (a) **Start from the BST you built.** Delete 30
- (b) **Start from the BST you built.** Delete 25
- (c) **Start from the BST you built.** Delete 28

Question 3.

- (a) **Start from the BST you built.** Preorder traversal
- (b) **Start from the BST you built.** Postorder traversal
- (c) **Start from the BST you built.** Inorder traversal

Question 4. Write a recursive function to

- (a) count the nodes of a BST
- (b) count the leaves of a BST
- (c) create a mirror image of the BST

Thanks! Have a great evening!! Have fun!!!