

ASSIGNMENT NO.– 11 (Tree)

LAST DATE OF SUBMISSION 10/10/2021

Instruction:

- **Do it in your installed software**
- **Take the screenshots of your code and output**
- **Make the pdf of your file**
- **Submit it in the Google form link.**

1. WAP to insert and delete a node from the BST.
2. WAP for Tree Traversal in Pre-order.
3. WAP for Tree Traversal in In-order.
4. WAP for Tree Traversal in Post-order.
5. WAP to search the element in a Binary search tree.
6. Read n ints and make a binary search tree (BST). Do k search operations to print results as y/n.

Input: (n, x_i, k, y_i)

4

2 1 4 3

3

3 7 1

Output:

y

n

y

7. Read n ints and make a BST in the same order. Print the tree in preorder, inorder and postorder traversals. Separate characters by '_'. Implement using C programming.

Input: (n, x_i)

4

2 1 4 3

Output:

2_1_4_3_

1_2_3_4_

1_3_4_2_

8. Read 2n ints. Use each half to create two BSTs in the given order. Find if the two trees are identical. Print y/n. There are T test cases. Implement using C programming.

Input: (T, n, x_i)

3
3
1 2 3 1 3 2
1 2 3 2 3 1
2 1 3 2 3 1

Output:

n
n
y