

LAB 11

Trees

Note: Write all programs in C/C++ using function and pointer concept.

1. WAP to check whether given tree is a binary search tree or not.
2. WAP to implement inorder, preorder and postorder traversal in binary tree.
3. WAP to search a node in a given binary search tree.
4. WAP to insert a node in a given binary search tree.
5. WAP to delete a node from a given binary search tree.
6. Write the programs for following:
 - a. Determining the height of binary tree
 - b. Determining no. of nodes of binary tree
 - c. Determining no. of internal nodes of binary tree
 - d. Determining no. of external nodes (leaf nodes) of binary tree
 - e. Determining mirror image of binary tree