Week #9
Lab Assignments

1. WAP to create a binary tree using Array and perform pre-order, in-order, and post-order traversals.

2. Write a menu driven program to implement binary tree using linked list and different traversals.

3. WAP to implement non-recursive pre-order and post-order traversals using Stack data structure for binary tree.

4. WAP to implement level-order traversal using single Queue data structure.

5. Write a menu driven program to create binary tree using linked list for computing following information.
        a) To count number of leaf nodes
        b) To count number of non-leaf nodes
        c) To find total number of nodes
        d) To compute height of the binary tree
        e) To find sum of all nodes
        f) To find the minimum element
        g) To find the maximum element

6. WAP Write the following menu driven program for the binary search tree
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        Binary Search Tree Menu
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        1. Create
        2. In-Order Traversal
        3. Pre-Order Traversal
        4. Post-Order traversal
        5. Search
        6. Find Smallest Element
        7. Find Largest Element
        8. Deletion of Tree
        9. Quit