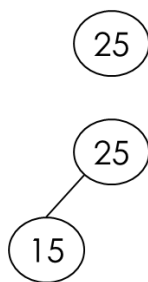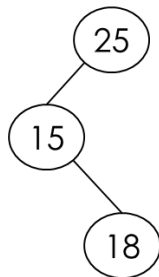## DEFINITION

- A Binary Search Tree(BST) is a binary tree which is either empty or satisfies the following properties

    1. Every node has a value and no two nodes have the same value; i.e. all values are distinct

    2. The value (if any) in the left subtree of the root are smaller than the value in the root

    3. The value (if any) in the right subtree of the root are larger than the value in the root

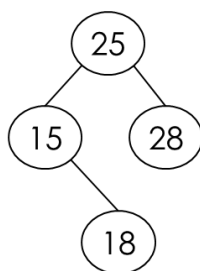   4. The left and right subtrees of the root are also BSTs
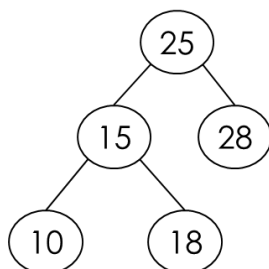
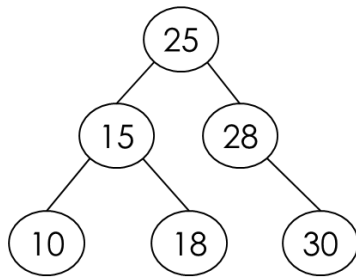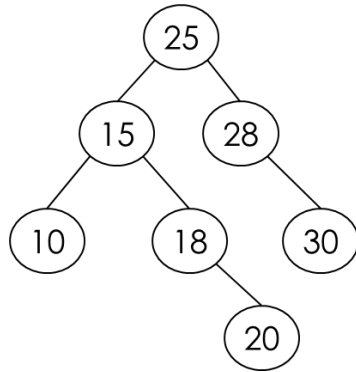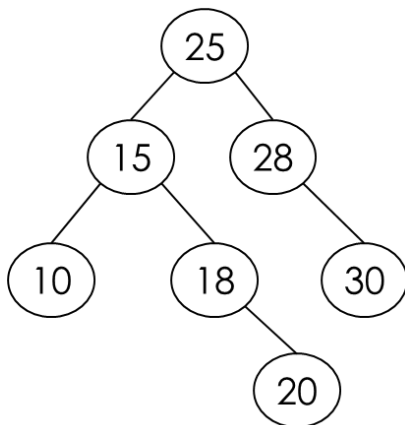## BUILDING A BST

Insert(25)

Insert(15)

Insert(18)

Insert(28)

Insert(10)

Insert(30)

Insert(20)

TRAVERSAL OF A BST

Inorder:	10 15 18 20 25 28 30
Preorder:	25 15 10 18 20 28 30
Postorder:	10 20 18 15 30 28 25