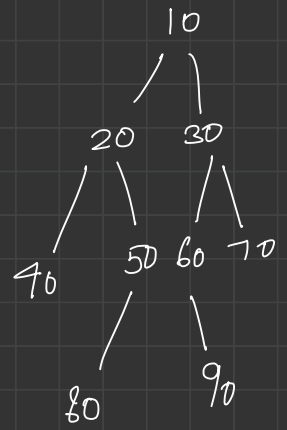
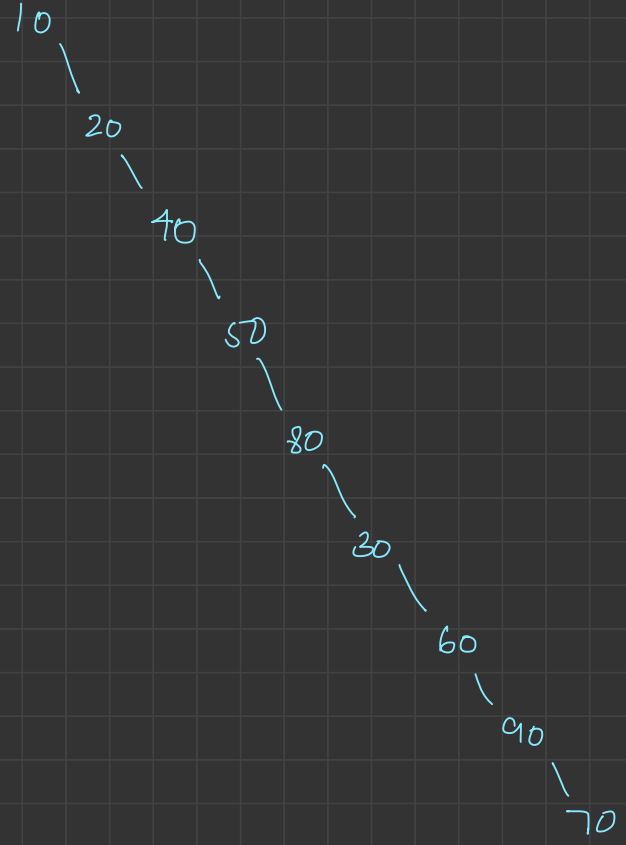
Flatten a Binary Tree





faith: flattens the given BT

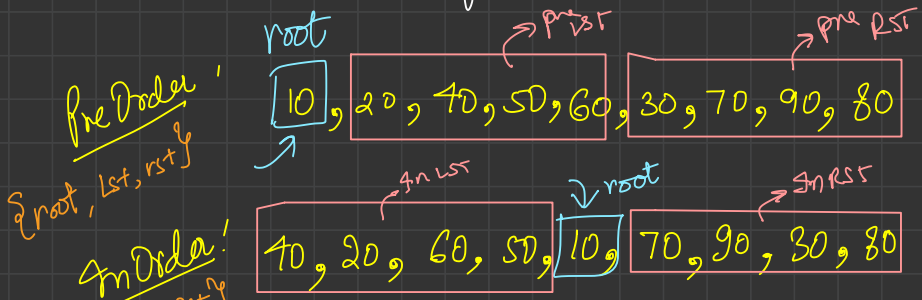
```
void flatten(Node root)
{
    if(root == null) return

    flatten(root.left);
    flatten(root.right);

    Node temp = root.right;
    root.right = root.left;
    root.left = null;

    Node curr = root;
    while(curr.right != null)
        curr = curr.right;
    curr.right = temp;
}
```

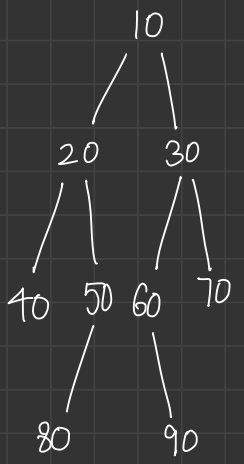
Construct a tree from Pre Order & In Order



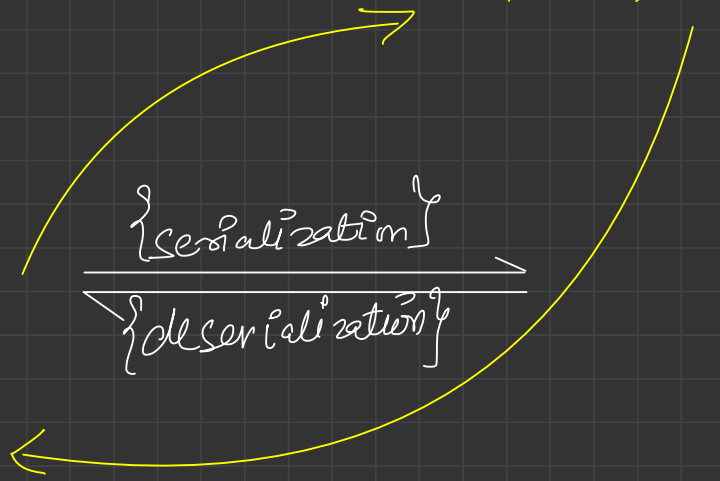
faith : Constructs the tree from pre & in order.

construct(int pre[], int in[])

Serialize and deserialize

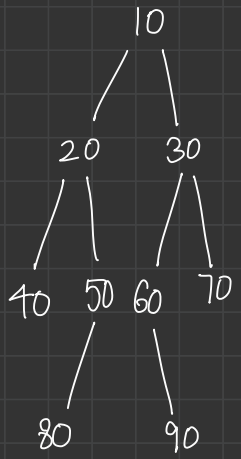


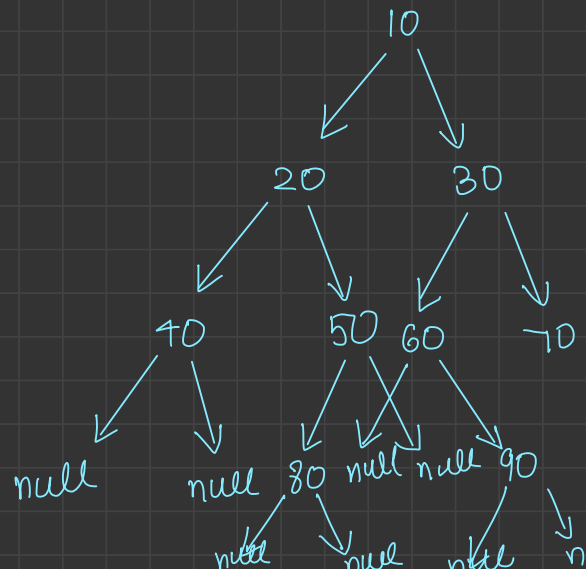
BT



" 10,20,40,50,80,30,60,90,70 $ 40,30 -- - "

String

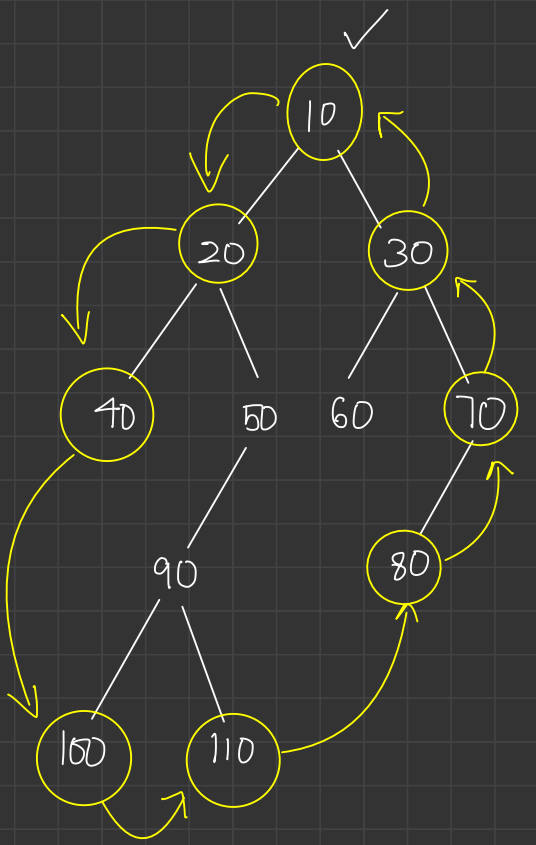




preOrder o
cc

10 ,20, 40, null, null, 50, 80, null, null, null, 30, 60, null, 90, null, null, 70, null, null

Boundry Tree.



- root Node
- left wall
- leaf Nodes
- right wall