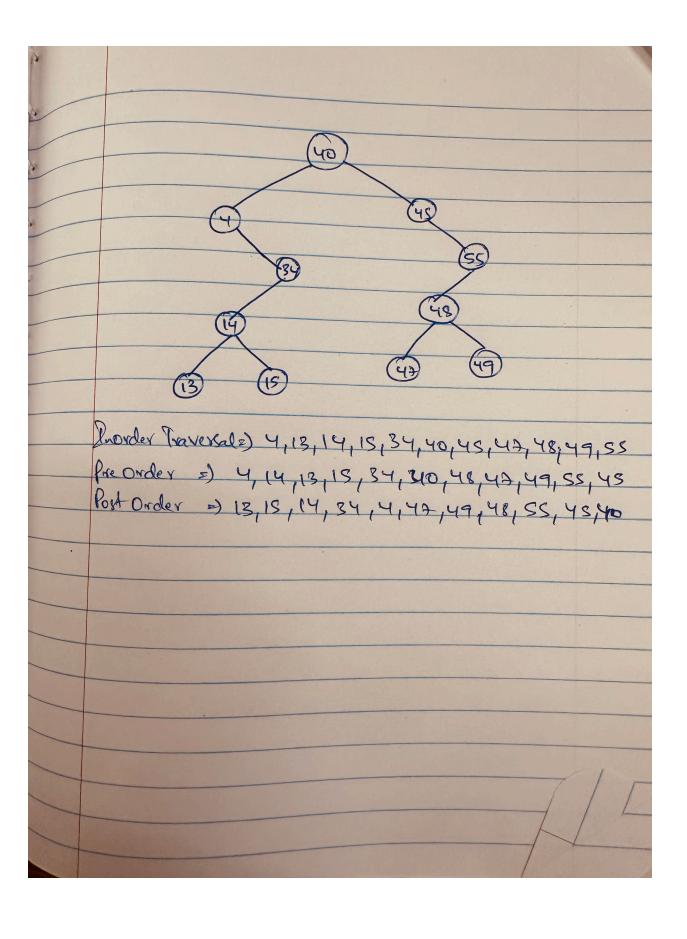
Week3-Q1

Homework-3 Q1 Inorder traversale) 1,3,4,5,6,7,8,10,13,14 Preorder .2) 8,3,1,6,4,5,7,10,14,13 Post Order 2) 1,5,4,7,6,3,13,14,10,8



```
class TreeNode:
    def __init__(self, val=0, left=None, right=None):
        self.val = val
        self.left = left
        self.right = right
def isSameTree(p: TreeNode, q: TreeNode) -> bool:
    if not p and not q:
        return True
    if not p or not q or p.val != q.val:
        return False
    return isSameTree(p.left, q.left) and isSameTree(p.right, q.right)
p = TreeNode(1)
p.left = TreeNode(2)
p.right = TreeNode(3)
q = TreeNode(1)
q.left = TreeNode(2)
q.right = TreeNode(3)
result = isSameTree(p, q)
print(result) # Output: True
p1 = TreeNode(1)
p1.left = TreeNode(2)
q1 = TreeNode(1)
q1.left = TreeNode(None)
q1.right = TreeNode(2)
result1 = isSameTree(p1, q1)
print(result1)
```

```
p2 = TreeNode(1)
p2.left = TreeNode(2)
p2.right = TreeNode(1)

q2 = TreeNode(1)
q2.left = TreeNode(1)
q2.right = TreeNode(1)
result2 = isSameTree(p2, q2)
print(result2)
```

