Step 1: Answer the <u>questions</u> about <u>Tree Traversal</u>

In-order Traversal: 1, 3, 4, 5, 6, 7, 8, 10, 13, 14

Pre-order Traversal: 8, 3, 1, 6, 4, 5, 7, 10, 14, 13

Post-order Traversal: 1, 5, 4, 7, 6, 3, 13, 14, 10, 8

Step 2: Study the answers from ChatGPT about "How to answer LeetCode question: '100 Same Tree' with the test case: Input: p = [1,2,3], q = [1,2,3]; Output: true"

To answer the LeetCode question "100 Same Tree" and test it with the given input case, you can use a recursive approach to check if two binary trees are the same. Here's the Python solution:

```
Copy code
python
# Definition for a binary tree node
   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 both trees are empty, they are the same
   if not p and not q:
   # If one of the trees is empty or their values are different, they are m
   if not p or not q or p.val != q.val:
       return False
    # Recursively check if the left and right subtrees are the same
   return isSameTree(p.left, q.left) and isSameTree(p.right, q.right)
# Test the function with the given input case
p = TreeNode(1)
p.left = TreeNode(2)
p.right = TreeNode(3)
q = TreeNode(1)
q.left = TreeNode(2)
q.right = TreeNode(3)
output = isSameTree(p, q)
print(output)
```

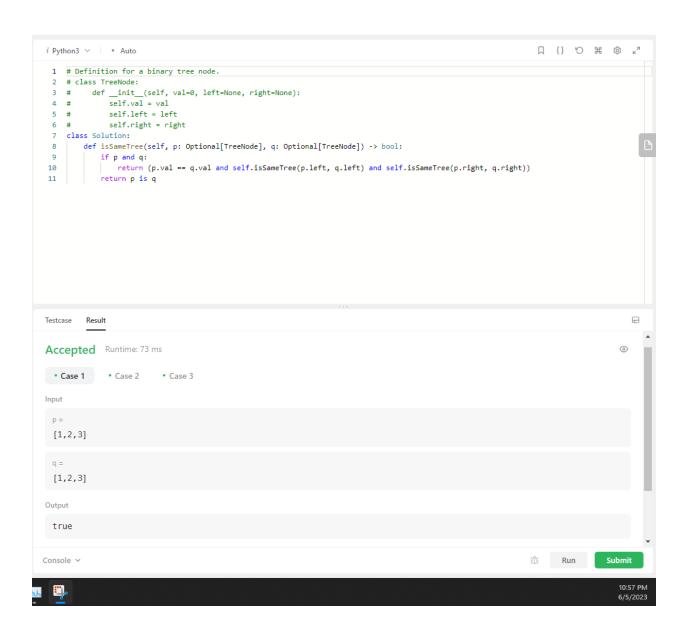
The output will be 'True', indicating that the binary trees represented by 'p' and 'q' are the same.

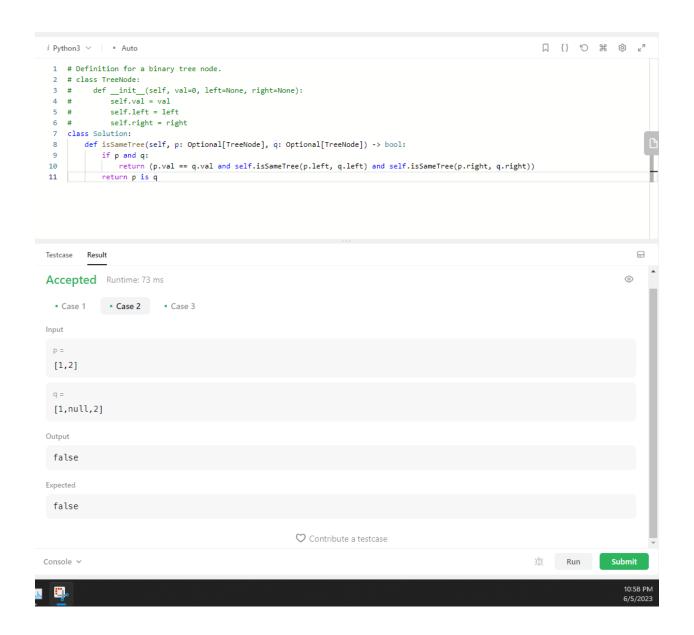
In the solution, we define a recursive function `isSameTree` that takes two tree nodes `p` and `q` as input and returns a boolean value indicating if the trees are the same. We check if the current nodes have the same value, and if so, we recursively check if their left and right subtrees are also the same. The base cases handle the scenarios when one of the trees is empty or their values are different.

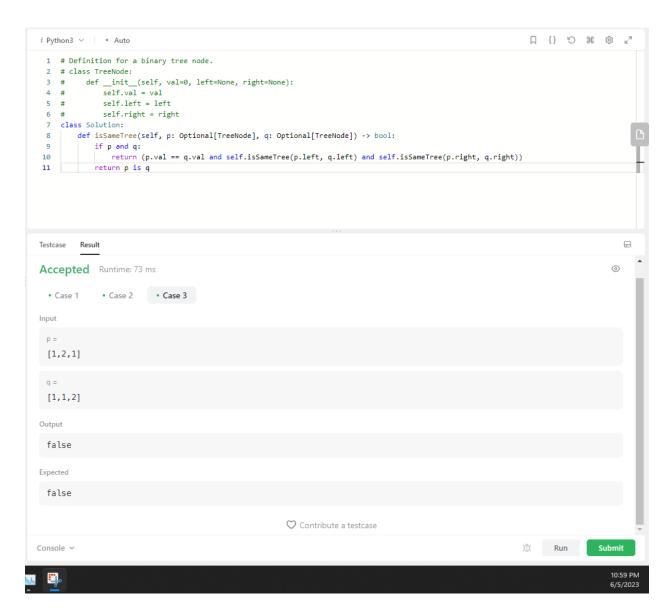
Step 3: Implement a Python solution for <u>100</u>. <u>Same Tree.</u> - Easy – LC



Step 4: Test all the test cases mentioned in '100 Same Tree'







Step 5: Optional homework: Practice more LeetCode questions about <u>Subject:</u> Recursion