Task-2

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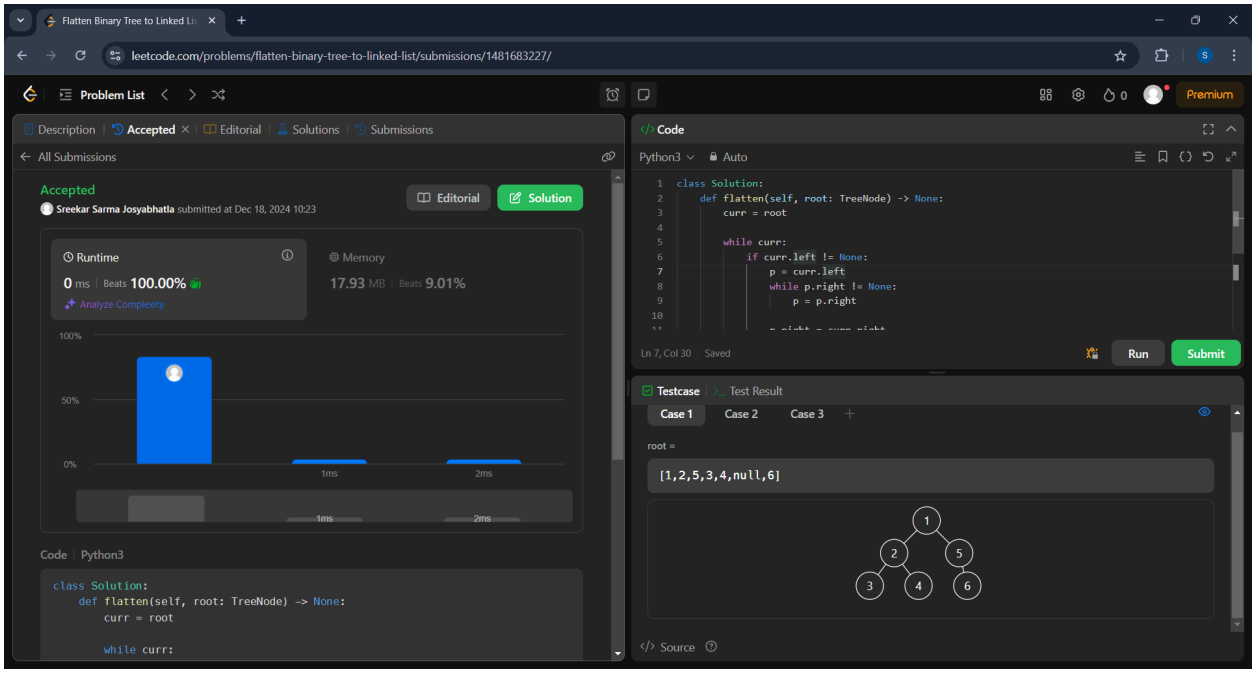
1. Flatten Binary Tree to Linked List

```
class Solution:
    def flatten(self, root: TreeNode) -> None:
        curr = root

        while curr:
            if curr.left != None:
                p = curr.left
                while p.right != None:
                    p = p.right

                p.right = curr.right

                curr.right = curr.left
                curr.left = None

            curr = curr.right
```

OUTPUT



2. Trapping Rain Water

```
class Solution(object):
    def trap(self, height):
        n = len(height)
        ans = 0
        st = []
```

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```
        for r in range(n):
            while st and height[st[-1]] < height[r]:
                m = st.pop()

                if not st:
                    break

                l = st[-1]
                h = min(height[r] - height[m], height[l] -
height[m])
                w = r - l - 1

                ans += h * w
            st.append(r)
        return ans
```

OUTPUT