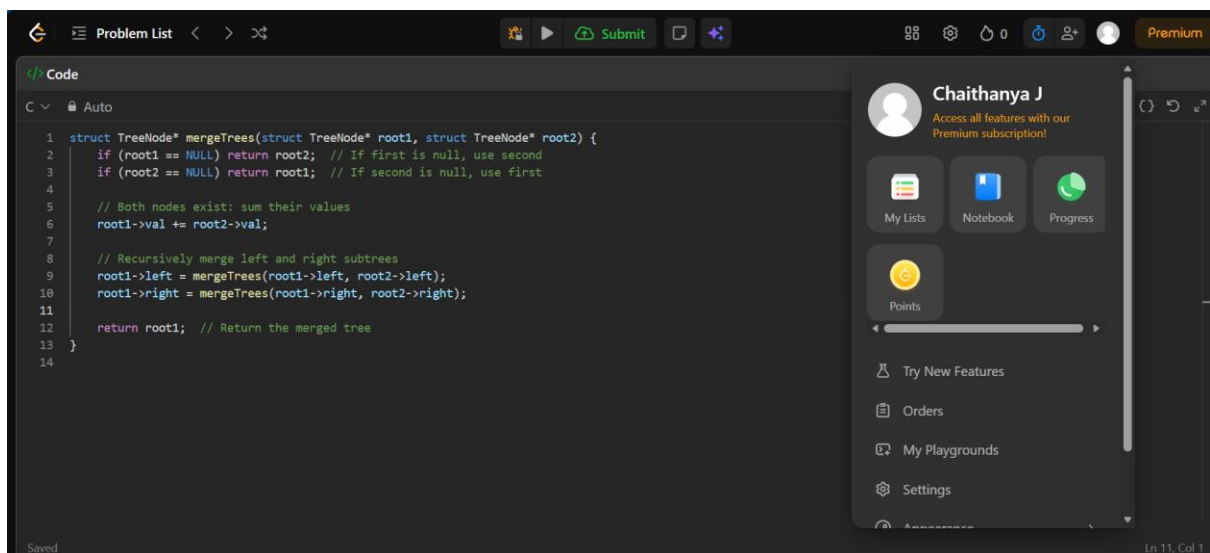
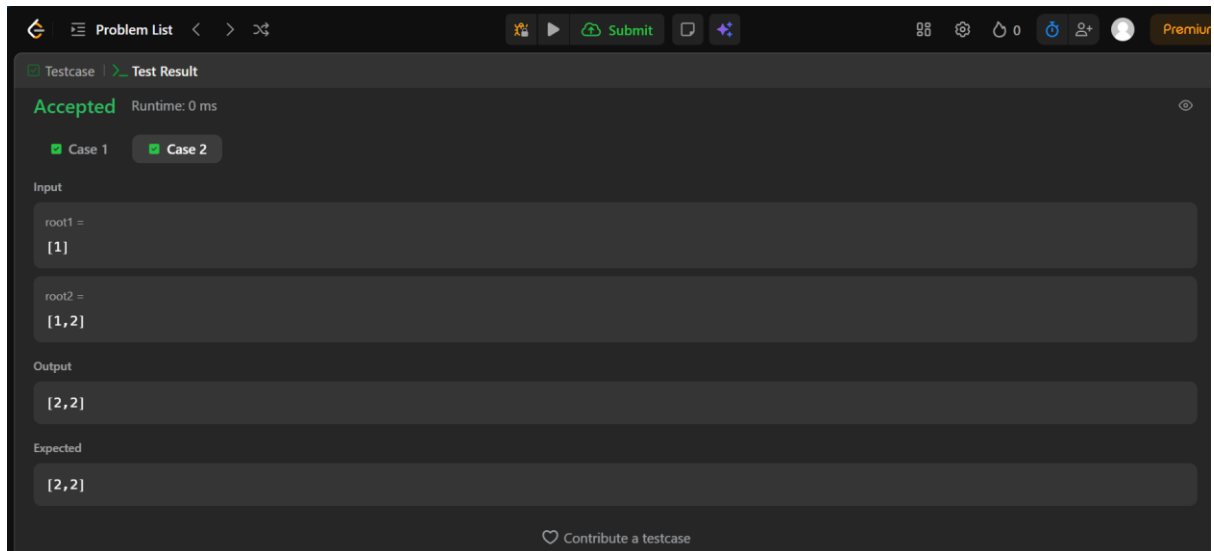
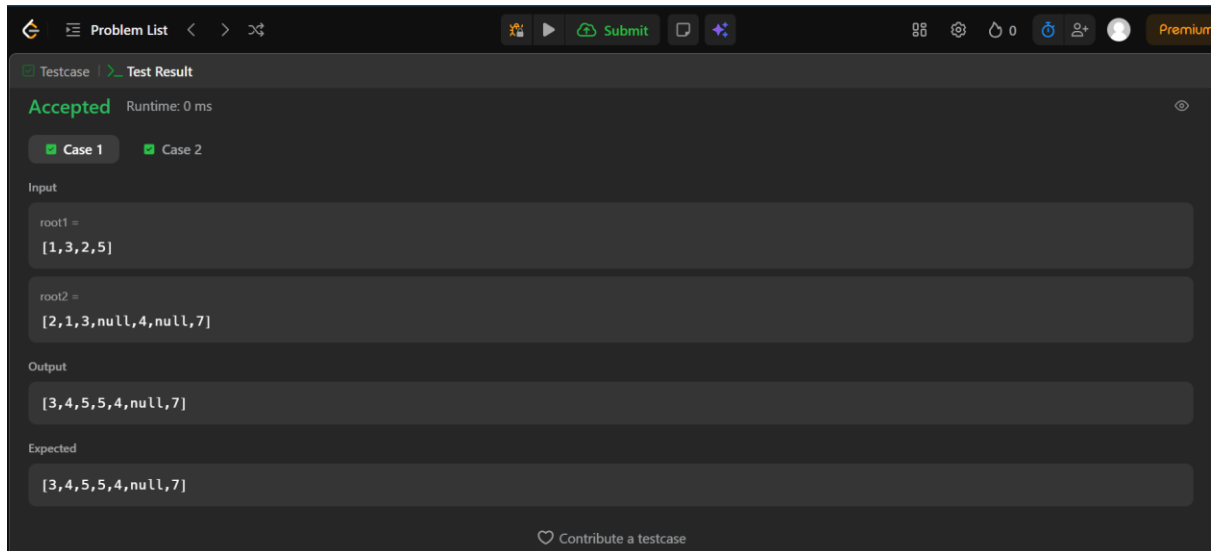


Leetcode:

```
struct TreeNode* mergeTrees(struct TreeNode* root1, struct TreeNode* root2) {  
    if (root1 == NULL) return root2; // If first is null, use second  
    if (root2 == NULL) return root1; // If second is null, use first  
  
    // Both nodes exist: sum their values  
    root1->val += root2->val;  
  
    // Recursively merge left and right subtrees  
    root1->left = mergeTrees(root1->left, root2->left);  
    root1->right = mergeTrees(root1->right, root2->right);  
  
    return root1; // Return the merged tree  
}
```



OUTPUT:



OBSERVATION:

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Leetcode :-

Merge two Binary Trees.

Code:-

```
struct Treenode* mergeTrees(struct Treenode*  
root1, struct Treenode* root2)  
{  
    if (root1 == NULL) return root2;  
    if (root2 == NULL) return root1;  
  
    root1->val += root2->val;  
    root1->left = mergeTrees(root1->left, root2->left);  
    root1->right = mergeTrees(root1->right, root2->right);  
  
    return root1;  
}
```

Output of Case 1:-

Input \Rightarrow root1 = [1, 3, 2, 5]
root2 = [2, 1, 3, null, 4, null, 7]

Output \Rightarrow [3, 4, 5, 5, 4, null, 7]

Case 2:-

Input :- root1 = [1] root2 = [1, 2]

Output :- [2, 2]