

## LAB(9-12-2025) LEETCODE(8B)

INPUT:

The screenshot displays the LeetCode submission page for the problem "Merge Two Binary Trees". The submission is marked as "Accepted" and was submitted by "RakshitK" on Dec 09, 2025, at 09:40. The performance metrics show a runtime of 0 ms (beating 100.00% of submissions) and a memory usage of 18.83 MB (beating 60.74% of submissions). A bar chart shows the submission's performance relative to others. The C code is as follows:

```
1 struct TreeNode* mergeTrees(struct TreeNode* root1, struct TreeNode* root2) {
2     // If both nodes are NULL - return NULL
3     if (root1 == NULL && root2 == NULL)
4         return NULL;
5
6     // If one of them is NULL - return the non-null node
7     if (root1 == NULL)
8         return root2;
9     if (root2 == NULL)
10        return root1;
11
12    // Both nodes are not NULL - merge them
13    root1->val = root1->val + root2->val;
14
15    // Merge left subtrees
16    root1->left = mergeTrees(root1->left, root2->left);
17
18    // Merge right subtrees
19    root1->right = mergeTrees(root1->right, root2->right);
20
21    return root1;
22 }
```

OUTPUT:

The screenshot shows the "Test Result" tab for the "Merge Two Binary Trees" problem. It displays the input, output, and expected results for Case 1. The input consists of two binary trees: root1 with values [1, 3, 2, 5] and root2 with values [2, 1, 3, null, 4, null, 7]. The output is a single binary tree with values [3, 4, 5, 5, 4, null, 7], which matches the expected result.

Testcase | Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

root1 =  
[1, 3, 2, 5]

root2 =  
[2, 1, 3, null, 4, null, 7]

Output

[3, 4, 5, 5, 4, null, 7]

Expected

[3, 4, 5, 5, 4, null, 7]

Contribute a testcase

Testcase

Test Result

Accepted

Runtime: 0 ms

Case 1

Case 2

Input

root1 =  
[1]

root2 =  
[1,2]

Output

[2,2]

Expected

[2,2]

♥

Contribute a testcase