

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

INPUT:

The screenshot shows a LeetCode submission page for the problem "Merge Two Binary Trees". The submission was accepted with 182 / 182 testcases passed by user RakshitKR at Dec 09, 2025 09:40. The runtime is 0 ms (100.00%) and memory usage is 18.83 MB (60.74%). The code editor contains the following C code for merging two binary trees:

```
struct TreeNode* mergeTrees(struct TreeNode* root1, struct TreeNode* root2) {
    // If both nodes are NULL -> return NULL
    if (root1 == NULL && root2 == NULL)
        return NULL;
    // If one of them is NULL -> return the non-null node
    if (root1 == NULL)
        return root2;
    if (root2 == NULL)
        return root1;
    // Both nodes are not NULL -> merge them
    root1->val = root1->val + root2->val;
    root1->left = mergeTrees(root1->left, root2->left);
    root1->right = mergeTrees(root1->right, root2->right);
    return root1;
}
```

The test result shows the code was accepted with a runtime of 0 ms.

OUTPUT:

The screenshot shows the LeetCode test case interface. It displays the input, output, and expected results for a test case. The input consists of two binary tree structures: root1 = [1,3,2,5] and root2 = [2,1,3,null,4,null,7]. The output is [3,4,5,5,4,null,7], which matches the expected result [3,4,5,5,4,null,7].

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

The screenshot shows a user interface for testing code. At the top, it says "Testcase | Test Result" and "Accepted Runtime: 0 ms". Below that, there are two tabs: "Case 1" and "Case 2", with "Case 2" currently selected. The interface is divided into sections for Input, Output, and Expected results. Under Input, "root1" is defined as [1] and "root2" is defined as [1,2]. Under Output, the result is [2,2]. Under Expected, the result is also [2,2]. At the bottom right, there is a link to "Contribute a testcase".