

## Leetcode Problem 1. (Easy)

### Same Tree

Given the roots of two binary trees **p** and **q**, write a function to check if they are the same or not.

Two binary trees are considered the same if they are structurally identical, and the nodes have the same value.

#### Example 1:

**Input:** p = [1,2,3], q = [1,2,3]

**Output:** true

#### Example 2:

**Input:** p = [1,2], q = [1,null,2]

**Output:** false

#### Example 3:

**Input:** p = [1,2,1], q = [1,1,2]

**Output:** false

#### Constraints:

- The number of nodes in both trees is in the range [0, 100].
- $-10 \leq \text{Node.val} \leq 10$

Link: <https://leetcode.com/problems/same-tree/>

```
class Solution {
    public boolean isSameTree(TreeNode p, TreeNode q) {

        if (p == null && q == null) {
            return true;
        } else if (p == null || q == null) {
            return false;
        } else if (p.val != q.val) {
            return false;
        }
    }
}
```

```

    } else {
        boolean left = isSameTree(p.left, q.left);
        boolean right = isSameTree(p.right, q.right);
        return left && right;
    }
}
}

```

LeetCode

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Sakib Rahman

Apr 23, 2023 21:24

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```
/**
 * Definition for a binary tree node.
 * public class TreeNode {
 *     int val;
 *     TreeNode left;
 *     TreeNode right;
 *     TreeNode() {}
 *     TreeNode(int val) { this.val = val; }
 *     TreeNode(int val, TreeNode left, TreeNode right) {
 *         this.val = val;
 *         this.left = left;
 *         this.right = right;
 *     }
 * }
```

Console

Run

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