Leetcode Problem 1. (Easy)

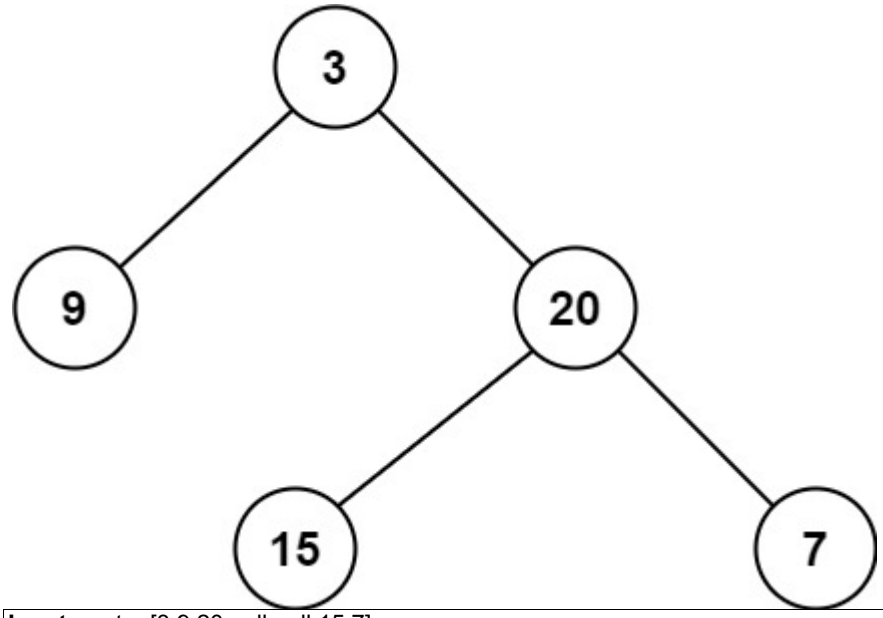
Minimum Depth of Binary Tree

Given a binary tree, find its minimum depth.

The minimum depth is the number of nodes along the shortest path from the root node down to the nearest leaf node.

Note: A leaf is a node with no children.

Example 1:



Input: root = [3,9,20,null,null,15,7]
Output: 2

Example 2:

Input: root = [2,null,3,null,4,null,5,null,6]
Output: 5

Constraints:

- The number of nodes in the tree is in the range [0, 10^5].
- -1000 <= Node.val <= 1000

Link: https://leetcode.com/problems/minimum-depth-of-binary-tree/

```java
class Solution {
    public int minDepth(TreeNode root) {
        if (root == null) {
            return 0;
        }
        if (root.left == null && root.right == null) {
            return 1;
        }
        int minDepth = Integer.MAX_VALUE;
        if (root.left != null) {
            minDepth = Math.min(minDepth(root.left), minDepth);
        }
        if (root.right != null) {
            minDepth = Math.min(minDepth(root.right), minDepth);
        }
        return minDepth + 1;
    }
}
```