

Maximum Depth of Binary Tree

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| 📌 Difficulty | Easy |
| ☰ Category | Tree |
| 🔗 Question | https://leetcode.com/problems/maximum-depth-of-binary-tree/ |
| 🔗 Solution | https://youtu.be/hTM3phVI6YQ |
| 🌟 Status | Done |

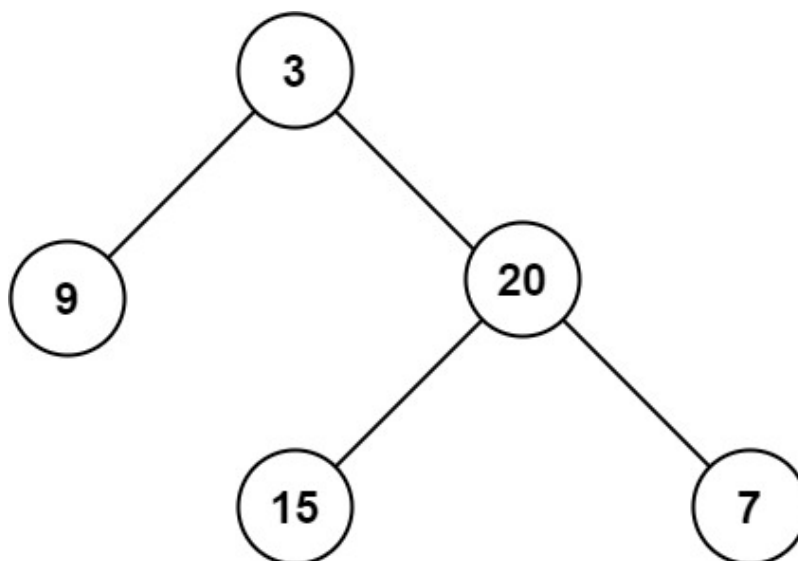
Question

Given the **root** of a binary tree, return *its maximum depth*.

A binary tree's **maximum depth** is the number of nodes along the longest path from the root node down to the farthest leaf node.

Example

Example 1:



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

Example 2:

Input: root = [1,null,2]
Output: 2

Idea



Number of recursive calls + 1

Solution

```
class Solution:
    def maxDepth(self, root: Optional[TreeNode]) -> int:
        if not root:
            return 0

        return 1 + max(self.maxDepth(root.left), self.maxDepth(root.right))
```

Explanation