

Description

Solution

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# 104. Maximum Depth of Binary Tree

Easy

2702

78

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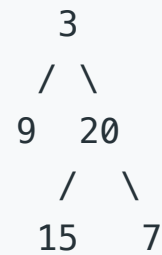
Given a binary tree, find its maximum depth.

The maximum depth is the number of nodes along the longest path from the root node down to the farthest leaf node.

**Note:** A leaf is a node with no children.

## Example:

Given binary tree [3,9,20,null,null,15,7] ,



return its depth = 3.

Accepted 859,084

Submissions 1,300,707

Seen this question in a real interview before?

Yes

No

Contributor

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Related Topics

Java

Autocomplete

```
3  * public class TreeNode {
4  *     int val;
5  *     TreeNode left;
6  *     TreeNode right;
7  *     TreeNode() {}
8  *     TreeNode(int val) { this.val = val; }
9  *     TreeNode(int val, TreeNode left, TreeNode right) {
10 *         this.val = val;
11 *         this.left = left;
12 *         this.right = right;
13 *     }
14 * }
15 */
16 class Solution {
17     public int maxDepth(TreeNode root) {
18         if (root == null)
19             return 0;
20         if (root.left == null && root.right == null)
21             return 1;
22         return 1 + Math.max(maxDepth(root.left), maxDepth(root.right));
23     }
24 }
25
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

[3,9,20,null,null,15,7]

Output

3

Diff

Expected

3