

75 Days of Code Day 33 Problem 104. Maximum Depth of Binary Tree5

Type : Tree /DFS

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 1:

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

Output: 3

Example 2:

Input: root = [1,null,2]

Output: 2

Solution using DFS

1. Traverse the list with recursion

```
function maxDepth(root: TreeNode | null): number {  
    if(root===null) return 0;  
    let left = maxDepth(root.left);  
    let right = maxDepth(root.right);  
  
    return 1 + Math.max(left,right);  
};
```

✓ Accepted

Editorial

+ Solution

Runtime

Details

60 ms

Beats 82.38% of users with TypeScript

Memory

Details

46.20 MB

Beats 66.27% of users with TypeScript