111. Minimum Depth of Binary Tree ★

Question | Editorial Solution

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Total Accepted: **132482** Total Submissions: **416173** Difficulty: **Easy** Contributors: **Admin**

Notes

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.

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C++

```
/**
 * Definition for a binary tree node.
 * struct TreeNode {
 *     int val;
 *     TreeNode *left;
 *     TreeNode *right;
 *     TreeNode(int x) : val(x), left(NULL), right(NULL) {}
 * };
 */
class Solution {
public:
    int minDepth(TreeNode* root, int depth) {
        if (root->left == nullptr && root->right == nullptr)
            return depth;

        if (root->left == nullptr) {
            return minDepth(root->right, depth + 1);
        }
        else if (root->right == nullptr) {
            return minDepth(root->left, depth + 1);
        }
        else {
            return min(minDepth(root->left, depth + 1), minDepth(root->right, de
        }
    }

```

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```
27      int minDepth(TreeNode* root) {
28          if(root == nullptr) return 0;
29          return minDepth(root, 1);
30      }
31  };
```

Custom Testcase

```
[1]
```

Notes

One line for one parameter. Hint

Shortcut: Ctrl + enter

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7 27