Problem Link:

<https://leetcode.com/problems/maximum-depth-of-binary-tree/>

Solution:

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\* Definition for a binary tree node.

\* struct TreeNode {

\* int val;

\* TreeNode \*left;

\* TreeNode \*right;

\* TreeNode() : val(0), left(nullptr), right(nullptr) {}

\* TreeNode(int x) : val(x), left(nullptr), right(nullptr) {}

\* TreeNode(int x, TreeNode \*left, TreeNode \*right) : val(x), left(left), right(right) {}

\* };

\*/

class Solution {

public:

int maxDepth(TreeNode\* root) {

if(root == nullptr)

{

return 0;

}

int l = maxDepth(root->left);

int r = maxDepth(root->right);

return 1 + max(l, r);

}

};