Day 5 - Arsh Challenge

Maximum depth of binary tree

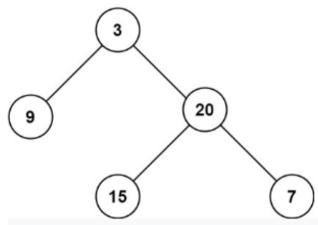
104. Maximum Depth of Binary Tree

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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

Appococh:

Find the height of left sub-three Find the height of Right sub-three

return mox (left_height, Right_height)+1

Be couse we want root node included as well



Code

```
class Solution {
public:
    int height(TreeNode* root){
        if(root==NULL) return 0;
        int left=height(root->left);
        int right=height(root->right);

        return max(left,right)+1;
}

int maxDepth(TreeNode* root) {
    int h=height(root);
    return h;
}
};
```