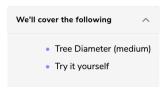


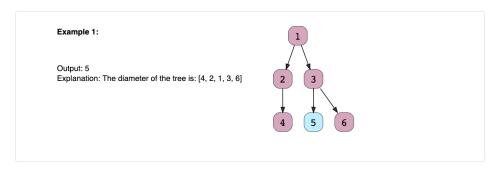
Problem Challenge 1

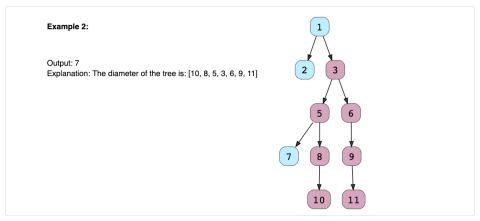


Tree Diameter (medium)

Given a binary tree, find the length of its diameter. The diameter of a tree is the number of nodes on the longest path between any two leaf nodes. The diameter of a tree may or may not pass through the root.

Note: You can always assume that there are at least two leaf nodes in the given tree.





Try it yourself

Try solving this question here:

```
G C++
👙 Java
       int val;
       TreeNode left;
TreeNode right;
       TreeNode(int x) {
    class TreeDiameter {
       public static int findDiameter(TreeNode root) {
       public static void main(String[] args) {
         TreeNode root = new TreeNode(1);
         root.left = new TreeNode(2);
root.right = new TreeNode(3);
         root.left.left = new TreeNode(4);
         root.right.left = new TreeNode(5);
```

