

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code
--------	------------	-----------------	-------------------	----------

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 ▼ public class Program {
4     // Average case: when the tree is balanced
5     // O(n) time | O(h) space - where n is the number of nodes in
6     // the Binary Tree and h is the height of the Binary Tree
7     ▼ public static int NodeDepths(BinaryTree root) {
8         return nodeDepthsHelper(root, 0);
9     }
10
11 ▼ public static int nodeDepthsHelper(BinaryTree root, int depth) {
12     if (root == null) return 0;
13     return depth + nodeDepthsHelper(root.left, depth + 1) + nodeDepthsHelper(root.right,
14         depth + 1);
15 }
16
17 ▼ public class BinaryTree {
18     public int value;
19     public BinaryTree left;
20     public BinaryTree right;
21
22 ▼ public BinaryTree(int value) {
23     this.value = value;
24     left = null;
25     right = null;
26 }
27 }
28 }
29
```

