

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

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System;
4 public class Program {
5     // O(n) time | O(d) space
6     public static bool ValidateBst(BST tree) {
7         return ValidateBst(tree, Int32.MinValue, Int32.MaxValue);
8     }
9
10    public static bool ValidateBst(BST tree, int minValue, int maxValue) {
11        if (tree.value < minValue || tree.value >= maxValue) {
12            return false;
13        }
14        if (tree.left != null && !ValidateBst(tree.left, minValue, tree.value)) {
15            return false;
16        }
17        if (tree.right != null && !ValidateBst(tree.right, tree.value, maxValue)) {
18            return false;
19        }
20        return true;
21    }
22
23    public class BST {
24        public int value;
25        public BST left;
26        public BST right;
27
28        public BST(int value) {
29            this.value = value;
30        }
31    }
32 }
33
```

Solution 1 Solution 2 Solution 3

```
1 public class Program {
2     public static bool ValidateBst(BST tree) {
3         // Write your code here.
4         return false;
5     }
6
7     public class BST {
8         public int value;
9         public BST left;
10        public BST right;
11
12        public BST(int value) {
13            this.value = value;
14        }
15    }
16 }
17
```

Run or submit code when you're ready.