

Our Solution(s)

Run Code

Solution 1

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

Our Tests

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     public static boolean validateBst(BST tree) {
3         // Write your code here.
4         return false;
5     }
6
7     static 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
```

Custom Output

Submit Code

