Our Solution(s) Run Code

Your Solutions Run Code

```
Solution 1
            Solution 2
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 class Program {
       class BST {
           var value: Int
           var left: BST?
6
           var right: BST?
9
            init(value: Int) {
10
               self.value = value
                left = nil
11
               right = nil
12
13
14
15
            // Average: O(log(n)) time | O(1) space
            // Worst: 0(n) time | 0(1) space
16
17
            func insert(value: Int) -> BST {
                var currentNode: BST? = self
18
19
20
                while true {
                    if let node = currentNode, value < node.value {</pre>
21
                        if node.left === nil {
23
                            node.left = BST(value: value)
                            break
24
25
                        } else {
                            currentNode = node.left
26
27
28
                    } else if let node = currentNode {
29
                        if node.right === nil {
                            node.right = BST(value: value)
30
31
                            break
32
                        } else {
```

currentNode = node.right

```
Solution 1
             Solution 2
                         Solution 3
 1 class Program {
       class BST {
           var value: Int
           var left: BST?
           var right: BST?
 6
            init(value: Int) {
                self.value = value
9
                left = nil
10
                right = nil
11
            }
12
13
            func insert(value: Int) -> BST {
                // Write your code here.
14
15
                return self
16
17
            func contains(value: Int) -> Bool {
18
19
               // Write your code here.
20
                return false
            func remove(value: Int?, parentNode: BST?) -> BST {
23
24
                // Write your code here.
                return self
25
26
27
28 }
29
```

33

