

Solution 1	Solution 2	Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 class Program { 4     class BST { 5         var value: Int 6         var left: BST? 7         var right: BST? 8 9         init(value: Int) { 10             self.value = value 11             left = nil 12             right = nil 13         } 14 15         // Average: O(log(n)) time   O(log(n)) space 16         // Worst: O(n) time   O(n) space 17         func insert(value: Int) -&gt; BST { 18             if value &lt; self.value { 19                 if let left = left { 20                     left.insert(value: value) 21                 } else { 22                     left = BST(value: value) 23                 } 24             } else { 25                 if let right = right { 26                     right.insert(value: value) 27                 } else { 28                     right = BST(value: value) 29                 } 30             } 31 32             return self 33         } 34     } 35 }</pre>		<pre>1 class Program { 2     class BST { 3         var value: Int 4         var left: BST? 5         var right: BST? 6 7         init(value: Int) { 8             self.value = value 9             left = nil 10            right = nil 11        } 12 13        func insert(value: Int) -&gt; BST { 14            // Write your code here. 15            return self 16        } 17 18        func contains(value: Int) -&gt; Bool { 19            // Write your code here. 20            return false 21        } 22 23        func remove(value: Int?, parentNode: BST?) -&gt; BST { 24            // Write your code here. 25            return self 26        } 27    } 28 }</pre>		

Programming Language

Run or submit code when you're ready.