

Our Solution(s)Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 package main
4
5 type BST struct {
6     Value int
7
8     Left *BST
9     Right *BST
10 }
11
12 // Average: O(log(n)) time | O(1) space
13 // Worst: O(n) time | O(1) space
14 func (tree *BST) Insert(value int) *BST {
15     current := tree
16     for {
17         if value < current.Value {
18             if current.Left == nil {
19                 current.Left = &BST{value: value}
20                 break
21             } else {
22                 current = current.Left
23             }
24         } else {
25             if current.Right == nil {
26                 current.Right = &BST{value: value}
27                 break
28             } else {
29                 current = current.Right
30             }
31         }
32     }
33     return tree
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

```
1 package main
2
3 // Do not edit the class below except for
4 // the insert, contains, and remove methods.
5 // Feel free to add new properties and methods
6 // to the class.
7 type BST struct {
8     Value int
9
10    Left *BST
11    Right *BST
12 }
13
14 func (tree *BST) Insert(value int) *BST {
15     // Write your code here.
16     // Do not edit the return statement of this method.
17     return tree
18 }
19
20 func (tree *BST) Contains(value int) bool {
21     // Write your code here.
22     return false
23 }
24
25 func (tree *BST) Remove(value int) *BST {
26     // Write your code here.
27     // Do not edit the return statement of this method.
28     return tree
29 }
30
```

Custom OutputSubmit Code

```

10 return 0
11
12 #get the value of the frequency of each word
13
14
15
16
17 #for each word in words, return the frequency of each word
18 words = defaultdict(int)
19
20 for word in words:
21     words[word] = 0
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```

Run or submit code when you're ready.