Run Code

Our Solution(s)

Run Code

```
Your Solutions
```

```
Solution 1 Solution 2 Solution 3
```

```
Solution 1 Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   package main
   import "math"
7 type BST struct {
     value int
    left *BST
10
    right *BST
11
12 }
13
14 // Average: O(log(n)) time | O(1) space
15 // Worst: O(n) time | O(1) space
16 func (tree *BST) FindClosestValue(target int) int {
17
     return tree.findClosestValue(target, math.MaxInt32)
18 }
19
20 func (tree *BST) findClosestValue(target, closest int) int {
21
     currentnode := tree
22
     for currentnode != nil {
23
       if absdiff(target, closest) > absdiff(target, currentnode.value) {
         closest = currentnode.value
26
       if target < currentnode.value {</pre>
27
         currentnode = currentnode.left
28
       } else if target > currentnode.value {
29
         currentnode = currentnode.right
30
       } else {
31
         break
32
33
```

```
package main

type BST struct {
    Value int

    Left *BST
    Right *BST

func (tree *BST) FindClosestValue(target int) int {
    // Write your code here.
    return -1
}
```

Run or submit code when you're ready.

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