14рх

**Your Solutions** 

Sublime

Monokai

00:00:

Run Code

Our Solution(s) Run Code

```
Solution 1 Solution 2
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 // Average: O(\log(n)) time | O(\log(n)) space
4 // Worst: O(n) time | O(n) space
 5 function findClosestValueInBst(tree, target) {
     return findClosestValueInBstHelper(tree, target, Infinity);
7 }
9 function findClosestValueInBstHelper(tree, target, closest) {
10
    if (tree === null) return closest;
11
     if (Math.abs(target - closest) > Math.abs(target - tree.value)) {
12
      closest = tree.value;
13
14
     if (target < tree.value) {</pre>
15
       return findClosestValueInBstHelper(tree.left, target, closest);
16
     } else if (target > tree.value) {
17
       return findClosestValueInBstHelper(tree.right, target, closest);
18
     } else {
19
       return closest;
20
21 }
22
```

23 exports.findClosestValueInBst = findClosestValueInBst;

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

```
1 function findClosestValueInBst(tree, target) {
   // Write your code here.
3 }
5 // Do not edit the line below.
6 exports.findClosestValueInBst = findClosestValueInBst;
```

**Custom Output** Submit Code

Run or submit code when you're ready.