Our Solution(s) Run Code

Solution 1 Solution 2

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

using System;

public class Program {
  // Average: O(log(n)) time | O(log(n)) space
  // Worst: O(n) time | O(n) space
  public static int FindClosestValueInBst(BST tree, int target) {
    return FindClosestValueInBst(tree, target, Int32.MaxValue);
  }

  public static int FindClosestValueInBst(BST tree, int target, doubl
    if (Math.Abs(target - closest) > Math.Abs(target - tree.value)) {
      closest = tree.value;
    }
    if (target < tree.value && tree.left != null) {
      return FindClosestValueInBst(tree.left, target, closest);
    } else if (target > tree.value && tree.right != null) {
      return FindClosestValueInBst(tree.right, target, closest);
    } else {
      return (int)closest;
    }
  }

  public class BST {
    public int value;
    public BST left;
    public BST right;

    public BST(int value) {
      this.value = value;
    }
  }
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```
public class Program {
  public static int FindClosestValueInBst(BST tree, int target) {
    // Write your code here.
    return -1;
  }

  public class BST {
    public int value;
    public BST left;
    public BST right;

    public BST(int value) {
      this.value = value;
    }
  }
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.