

Our Solution(s)

Workspace Layout

Run Code

Solution 1

Solution 2

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

class BST {
  constructor(value) {
    this.value = value;
    this.left = null;
    this.right = null;
  }

  // Average: O(log(n)) time | O(1) space
  // Worst: O(n) time | O(1) space
  insert(value) {
    let currentNode = this;
    while (true) {
      if (value < currentNode.value) {
        if (currentNode.left === null) {
          currentNode.left = new BST(value);
          break;
        } else {
          currentNode = currentNode.left;
        }
      } else {
        if (currentNode.right === null) {
          currentNode.right = new BST(value);
          break;
        } else {
          currentNode = currentNode.right;
        }
      }
    }
  }

  return this;
}
```

Your Solutions

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Solution 3

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```
// Do not edit the class below except for
// the insert, contains, and remove methods.
// Feel free to add new properties and methods
// to the class.

class BST {
  constructor(value) {
    this.value = value;
    this.left = null;
    this.right = null;
  }

  insert(value) {
    // Write your code here.
    // Do not edit the return statement of this method.
    return this;
  }

  contains(value) {
    // Write your code here.
  }

  remove(value) {
    // Write your code here.
    // Do not edit the return statement of this method.
    return this;
  }
}

// Do not edit the line below.
exports.BST = BST;
```

Workspace Layout

Run or submit code when you're ready.