Our Solution(s)

Run Code

Solution 1

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

// O(n) time | O(d) space
function validateBst(tree) {
  return validateBstHelper(tree, -Infinity, Infinity);
}

function validateBstHelper(tree, minValue, maxValue) {
  if (tree === null) return true;
  if (tree.value < minValue || tree.value >= maxValue) return false;
  const leftIsValid = validateBstHelper(tree.left, minValue, tree.value);
  return leftIsValid && validateBstHelper(tree.right, tree.value, maxValue);
}

exports.BST = BST;
exports.validateBst = validateBst;
```

Your Solutions

Run Code

Solution 1   Solution 2   Solution 3

```javascript
// This is an input class. Do not edit.
class BST {
  constructor(value) {
    this.value = value;
    this.left = null;
    this.right = null;
  }
}

function validateBst(tree) {
  // Write your code here.
}

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

Custom Output   Raw Output   Submit Code

Run or submit code when you're ready.