Is This a Binary Search Tree?

Submitted Code

Language: C++ Open in editor

```cpp
/* Hidden stub code will pass a root argument to the function below. Complete the function to solve the challenge. Hint: you may want to write one or more helper functions.

The Node struct is defined as follows:
    struct Node {
        int data;
        Node* left;
        Node* right;
    }
*/
bool checkBST(Node* root, int minValue, int maxValue) {
    if (root == NULL) {
        return true;
    }

    if (root->data < minValue || root->data > maxValue) {
        return false;
    }

    return (    checkBST(root->left, minValue, root->data - 1)
            &&  checkBST(root->right, root->data + 1, maxValue)
            );
}

bool checkBST(Node* root) {
    return checkBST(root, 0, 10000);
}
```