

Is Binary Search Tree Or Not

```
1 # Definition for a binary tree node.
2 # class TreeNode(object):
3 #     def __init__(self, x):
4 #         self.val = x
5 #         self.left = None
6 #         self.right = None
7 class Solution(object):
8     def isBST(self, root):
9         """
10         input: TreeNode root
11         return: boolean
12         """
13         # write your solution here
14         return self.helper(root, float('-inf'), float('inf'))
15
16     def helper(self, root, low, high):
17         if not root:
18             return True
19         if root.val <= low or root.val >= high:
20             return False
21         return self.helper(root.left, low, root.val) and self.helper(root.right, root.val, high)
```