Write a Python program to check whether a given a binary tree is a valid binary search tree (BST) or not?

```
class TreeNode(object):
   def __init__(self, x):
       self.val = x
        self.left = None
        self.right = None
def is_BST(root):
   stack = []
   prev = None
   while root or stack:
       while root:
           stack.append(root)
           root = root.left
        root = stack.pop()
        if prev and root.val <= prev.val:</pre>
           return False
       prev = root
        root = root.right
   return True
root = TreeNode(2)
root.left = TreeNode(1)
root.right = TreeNode(3)
result = is_BST(root)
print(result)
root = TreeNode(1)
root.left = TreeNode(2)
root.right = TreeNode(3)
result = is BST(root)
print(result)
```

