Problem # 701: Insert into a Binary Search Tree. (Medium)

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<https://leetcode.com/problems/insert-into-a-binary-search-tree/>

Solution:

# Definition for a binary tree node.

# class TreeNode:

# def \_\_init\_\_(self, val=0, left=None, right=None):

# self.val = val

# self.left = left

# self.right = right

class Solution:

def insertIntoBST(self, root: TreeNode, val: int) -> TreeNode:

if not root:

return(TreeNode(val))

if val < root.val:

root.left = self.insertIntoBST(root.left, val)

else:

root.right = self.insertIntoBST(root.right, val)

return(root)