Check BST in binaryTree

class TreeNode

{

int val;

TreeNode left,right;

TreeNode(int x)

{

data=x;

left=right=null;

}

}

public class MyClass {

public static void main(String args[])

{

TreeNode root=new TreeNode(x);

int x=searchBST(root);

System.out.print(x);

}

static int searchBST(TreeNode root)

{

if(root==null)return 0;

if(checkBST(root,Integer.MIN\_VALUE,Integer.MAX\_VALUE))return size(root);

return Math.max(searchBST(root.left),searchBST(root.right));

}

static boolean checkBST(TreeNode root,int min,int max)

{

if(root==null)return false;

if(root.val<min || root.val>max)return false;

return checkBST(root.left,min,root.val) && checkBST(root.right,root.val,max);

}

static int size(TreeNode root)

{

if(root==null)return 0;

return 1+size(root.left)+size(root.right);

}

}