```
package DAY7;
       class TreeNode {
          int val;
          TreeNode left;
          TreeNode right;
          TreeNode(int val) {
               this.val = val;
               this.left = null;
               this.right = null;
           }
      }
      public class BSTCheck {
           public boolean isBalanced(TreeNode root) {
               return checkHeight(root) != -1;
           private int checkHeight(TreeNode node) {
               if (node == null) return 0;
               int leftHeight = checkHeight(node.left);
//
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               if (leftHeight == -1) return -1;
//
//
               int rightHeight = checkHeight(node.right);
//
               if (rightHeight == -1) return -1;
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//
//
               if (Math.abs(leftHeight - rightHeight) > 1) return -1;
//
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               return Math.max(leftHeight, rightHeight) + 1;
           }
           public static void main(String[] args) {
               BSTCheck treeChecker = new BSTCheck();
               TreeNode root = new TreeNode(1);
               root.left = new TreeNode(2);
               root.right = new TreeNode(3);
               root.left.left = new TreeNode(4);
               root.left.right = new TreeNode(5);
               //root.right.left=new TreeNode(6);
               //root.right.left=new TreeNode(7);
               root.left.left.left = new TreeNode(8);
               System.out.println("Tree is Balanced ?" +(
treeChecker.isBalanced(root)==true ? "Yes":"No"));
```

```
}
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                                                                               if (node == null) return 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                           > Q TreeNode
                                                                              int leftHeight = checkHeight(node.left);
if (leftHeight == -1) return -1;
                                                                                                                                                                                                                                                                                                                                                                                                                          ∨ O<sub>▶</sub> BSTCheck

    isBalanced(TreeNode) : boo

                                                                                                                                                                                                                                                                                                                                                                                                                                           checkHeight(TreeNode) : int
                                                                              int rightHeight = checkHeight(node.right);
if (rightHeight == -1) return -1;
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                                                                               if (Math.abs(leftHeight - rightHeight) > 1) return -1;
                                                                              return Math.max(leftHeight, rightHeight) + 1;
                                                             public static void main(String[] args) {
    BSTCheck treeChecker = new BSTCheck();
                                                                               TreeNode root = new TreeNode(1);
                                                                              IreeNode root = new IreeNode(1);
root.left = new TreeNode(2);
root.right = new TreeNode(3);
root.left.left = new TreeNode(4);
root.left.right = new TreeNode(5);
//root.right.left=new TreeNode(7);
//root.right.left=new TreeNode(7);
root.left.left.left = new TreeNode(7);
                                                                               root.left.left = new TreeNode(8);
                                                                               System.out.println("Tree is Balanced?" +( treeChecker.isBalanced(root)==true? "Yes":"No")
                                                  }
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                      < terminated > BSTCheck \ [Java Application] \ C:\\ Users \ Nikita\ p2\ pool\ plugins \ org. eclipse. justj. openjdk hotspot. jre. full.win32.x86\_64\_16.0.2.v20210721-1149\\ \ jre\ bin\ javaw. exe. \ (Jun 4, 2024, 12.28) \ description \ for the property of the property o
                      Tree is Balanced ?No
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