Our Solution(s) Run Code

Solution 1 Solution 2

```java
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import java.util.*;

class Program {
  // O(n) time | O(n) space - where n is the number of nodes in the B
  public static BinaryTree flattenBinaryTree(BinaryTree root) {
    List<BinaryTree> inOrderNodes = getNodesInOrder(root, new ArrayLi
    for (int i = 0; i < inOrderNodes.size() - 1; i++) {
      BinaryTree leftNode = inOrderNodes.get(i);
      BinaryTree rightNode = inOrderNodes.get(i + 1);
      leftNode.right = rightNode;
      rightNode.left = leftNode;
    }
    return inOrderNodes.get(0);
  }

  public static List<BinaryTree> getNodesInOrder(BinaryTree tree, List
    if (tree != null) {
      getNodesInOrder(tree.left, array);
      array.add(tree);
      getNodesInOrder(tree.right, array);
    }
    return array;
  }

  static class BinaryTree {
    int value;
    BinaryTree left = null;
    BinaryTree right = null;

    public BinaryTree(int value) {
      this.value = value;
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static BinaryTree flattenBinaryTree(BinaryTree root) {
    // Write your code here.
    return root;
  }

  // This is the class of the input root. Do not edit it.
  static class BinaryTree {
    int value;
    BinaryTree left = null;
    BinaryTree right = null;

    public BinaryTree(int value) {
      this.value = value;
    }
  }
}

```

Our Tests

Custom Output Submit Code

```
    List<Integer> leftPostOrder = leftPostorder(root.left);
    List<Integer> rightPostOrder = rightPostorder(root.right);
    return assertTrue(expected.equals(leftPostOrder.addAll(rightPostOrder)));
  }

  @Test
  public void TestCase2() {
    Program.BinaryTree root = new Program.BinaryTree(5);
    insert(root, new int[] {2});
    Program.BinaryTree leftPostOrder = Program.flattenBinaryTree(root);
    List<Integer> rightPostOrder = rightPostorder(root.right);
    return assertTrue(expected.equals(leftPostOrder.addAll(rightPostOrder)));
  }
}
```

Run or submit code when you're ready.