```
1
    /* Given a binary tree, flatten it to a linked list in-place.
2
3
    For example, given the following tree:
4
5
    - - - 1
6
    - 2 - - 5
7
    3 4 4 4 6 6
8
9
10
    The flattened tree should look like:
11
12
    1
13
14
15
16
17
18
19
20
21
22
23
24
25 class TreeNode {
26 int val;
27
    TreeNode left;
28
    TreeNode right;
29
30 TreeNode(int x) {
31
   val = x;
32
    - - - - - - - }
33
    }
34
35
36
   class Solution {
37
    public void flatten(TreeNode root) {
38
    flattenHelper(root);
39
40
41
42
    private TreeNode flattenHelper(TreeNode root) {
43
    return null;
44
45
46
47
    TreeNode leftLeaf = root.left;
48
    TreeNode rightLeaf = root.right;
49
50
51
    root.left = null;
    root.right = flattenHelper(leftLeaf);
52
53
54
    TreeNode temp = root;
55
    while (temp.right != null) {
56
              temp = temp.right;
57
58
59
    temp.right = flattenHelper(rightLeaf);
60
61
    return root;
62
    63
    }
```