Your Solutions

Run Code

Our Solution(s) Run Code

```
Solution 1 Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   class Program {
       class BinaryTree {
           var value: Int
           var left: BinaryTree?
           var right: BinaryTree?
9
           init(value: Int) {
10
               self.value = value
11
                left = nil
12
               right = nil
13
14
15
16
       // O(n) time \mid O(n) space - where n is the number of nodes
17
        // in the Binary Tree
        func flattenBinaryTree(root: BinaryTree) -> BinaryTree {
18
19
           var inOrderNodes = [BinaryTree]()
20
            getNodesInOrder(root: root, array: &inOrderNodes)
            for i in 0 ..< inOrderNodes.count - 1 {</pre>
21
                var leftNode = inOrderNodes[i]
                var rightNode = inOrderNodes[i + 1]
                leftNode.right = rightNode
                rightNode.left = leftNode
26
27
            return inOrderNodes[0]
28
```

func getNodesInOrder(root: BinaryTree?, array: inout [BinaryTree])

getNodesInOrder(root: tree.left, array: &array)

if let tree = root {

array.append(tree)

```
Solution 1 Solution 2 Solution 3
 1 class Program {
       // This is the class of the input root. Do not edit it.
       class BinaryTree {
           var value: Int
           var left: BinaryTree?
           var right: BinaryTree?
           init(value: Int) {
9
               self.value = value
10
               left = nil
11
               right = nil
12
           }
13
14
15
       func flattenBinaryTree(root: BinaryTree) -> BinaryTree {
           // Write your code here.
16
17
           return root
18
19 }
20
```

Our Tests

29 30

31

32

33

Custom Output

Submit Code

Run or submit code when you're ready.