AlgoExpert

Solution 1

Quad Layout

14рх

Sublime

Monokai

00:00:

Our Solution(s) Run

```
Run Code
```

Your Solutions

Solution 1 Solution 2 Solution 3

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   using System;
   public class Program {
     // O(n) time | O(1) space
     public static void IterativeInOrderTraversal(BinaryTree tree, Actio
        BinaryTree previousNode = null;
       BinaryTree currentNode = tree;
9
10
       while (currentNode != null) {
11
         BinaryTree nextNode;
12
          if (previousNode == null || previousNode == currentNode.parent)
            if (currentNode.left != null) {
14
             nextNode = currentNode.left;
             callback(currentNode);
16
17
             nextNode = currentNode.right !=
               null ? currentNode.right : currentNode.parent;
18
19
20
          } else if (previousNode == currentNode.left) {
21
            callback(currentNode);
            nextNode = currentNode.right !=
             null ? currentNode.right : currentNode.parent;
24
            nextNode = currentNode.parent;
26
27
          previousNode = currentNode;
28
          currentNode = nextNode;
29
30
31
32
     public class BinaryTree {
33
       public int value;
```

```
1 using System;
   public class Program {
     public static void IterativeInOrderTraversal(BinaryTree tree, Actio
       // Write your code here.
     public class BinaryTree {
       public int value;
10
       public BinaryTree left;
11
       public BinaryTree right;
       public BinaryTree parent;
12
13
14
       public BinaryTree(int value) {
15
         this.value = value;
16
17
        public BinaryTree(int value, BinaryTree parent) {
18
19
         this.value = value;
20
         this.parent = parent;
21
22
23
24
```

Run or submit code when you're ready.