AlgoExpert

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BinaryTree \*previousNode = NULL;

if (currentNode->left != NULL) {

nextNode = currentNode->left;

} else if (previousNode == currentNode->left) {

Branchise Managhan M. stein, Description Security 1

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(\*callback)(currentNode);

(\*callback)(currentNode);

BinaryTree \*currentNode = tree;
while (currentNode != NULL) {
 BinaryTree \*nextNode;

} else {

Quad Layout

C++

14рх

Sublime

Monokai

00:00:

Run Code

Our Solution(s) Run Code

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   #include <vector>
4 using namespace std;
 6 class BinaryTree {
7 public:
     int value;
     BinaryTree *left;
9
     BinaryTree *right;
10
     BinaryTree *parent;
11
12
13
     BinaryTree(int value, BinaryTree *parent = NULL);
14
     void insert(vector<int> values, int i = 0);
15 };
16
17
   // O(n) time | O(1) space
18 void iterativeInOrderTraversal(BinaryTree *tree,
19
                                 void (*callback)(BinaryTree *tree)) {
```

if (previousNode == NULL || previousNode == currentNode->parent) {

nextNode = currentNode->right != NULL ? currentNode->right

: currentNode->parent;

```
Your Solutions
```

```
Solution 1 Solution 2 Solution 3
```

```
1 #include <vector>
 2 using namespace std;
 4 class BinaryTree {
 5 public:
     int value;
     BinaryTree *left;
     BinaryTree *right;
     BinaryTree *parent;
10
BinaryTree(int value, BinaryTree *parent = NULL);
12
    void insert(vector<int> values, int i = 0);
13 };
14
15 void iterativeInOrderTraversal(BinaryTree *tree,
16
                                 void (*callback)(BinaryTree *tree)) {
17
     // Write your code here.
18 }
19
```

Run or submit code when you're ready.

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