AlgoExpert Quad Layout JavaScript 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation

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Solution 1
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```
_{\rm 1} \, // Copyright 0 2020 AlgoExpert, LLC. All rights reserved.
 3 // O(n) time | O(1) space
 4 function iterativeInOrderTraversal(tree, callback) {
      let previousNode = null;
     let currentNode = tree;
      while (currentNode !== null) {
       let nextNode;
        if (previousNode === null || previousNode === currentNode.parent) {
10
         if (currentNode.left !== null) {
11
           nextNode = currentNode.left;
12
         } else {
13
           callback(currentNode);
14
           nextNode = currentNode.right !== null ? currentNode.right : currentNode.parent;
15
16
        } else if (previousNode === currentNode.left) {
17
         callback(currentNode);
          nextNode = currentNode.right !== null ? currentNode.right : currentNode.parent;
18
19
20
         nextNode = currentNode.parent;
21
        previousNode = currentNode;
23
        currentNode = nextNode;
24
25 }
26
27 exports.iterativeInOrderTraversal = iterativeInOrderTraversal;
```

Run Code