AlgoExpert

Solution 1

Quad Layout

Java

12рх

Your Solutions

Sublime

Monokai

00:00:

Run Code

Our Solution(s)

```
Run Code
```

```
_{\rm 1} // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
      // O(n) time | O(n) space
     public static List<Integer> inOrderTraverse(BST tree, List<Integer> array) {
       if (tree.left != null) {
         inOrderTraverse(tree.left, array);
       array.add(tree.value);
       if (tree.right != null) {
13
         inOrderTraverse(tree.right, array);
14
       return array;
16
18
      // O(n) time | O(n) space
      public static List<Integer> preOrderTraverse(BST tree, List<Integer> array) {
19
20
       array.add(tree.value);
        if (tree.left != null) {
         preOrderTraverse(tree.left, array);
        if (tree.right != null) {
24
         preOrderTraverse(tree.right, array);
26
27
       return array;
28
29
30
      // O(n) time | O(n) space
      public static List<Integer> postOrderTraverse(BST tree, List<Integer> array) {
32
       if (tree.left != null) {
         postOrderTraverse(tree.left, array);
34
35
       if (tree.right != null) {
36
         postOrderTraverse(tree.right, array);
38
        array.add(tree.value);
39
       return array;
40
41
      static class BST {
43
       public int value;
44
       public BST left;
45
       public BST right;
46
47
       public BST(int value) {
48
         this.value = value;
```

Solution 1 Solution 2 Solution 3

```
1 import java.util.List;
    class Program {
     public static List<Integer> inOrderTraverse(BST tree, List<Integer> array) {
       // Write your code here.
        return null;
      public static List<Integer> preOrderTraverse(BST tree, List<Integer> array) {
10
       // Write your code here.
       return null;
12
13
14
      public static List<Integer> postOrderTraverse(BST tree, List<Integer> array) {
       // Write your code here.
16
       return null;
18
19
      static class BST {
20
       public int value;
       public BST left;
       public BST right;
       public BST(int value) {
24
25
         this.value = value;
26
27
28 }
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.