AlgoExpert

Quad Layout

12px

Sublime

Solution 1 Solution 2 Solution 3

Monokai

00:00:

Solution 1

Prompt

Our Solution(s) Scratchpad

Video Explanation Run Code

Your Solutions

```
Run Code
```

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    using System.Collections.Generic;
    public class Program {
      // O(n) time | O(n) space
      public static List<int> InOrderTraverse(BST tree, List<int> 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
17
18
      // O(n) time | O(n) space
      public static List<int> PreOrderTraverse(BST tree, List<int> array) {
        array.Add(tree.value);
20
        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<int> PostOrderTraverse(BST tree, List<int> array) {
32
        if (tree.left != null) {
33
          PostOrderTraverse(tree.left, array);
34
35
        \textbf{if} \ (\texttt{tree.right != null}) \ \{
36
          PostOrderTraverse(tree.right, array);
38
        array.Add(tree.value);
39
        return array;
40
41
42
      public class BST {
43
        public int value;
44
        public BST left;
45
        public BST right;
46
47
        public BST(int value) {
48
          this.value = value;
49
50
51
   }
```

```
1 using System.Collections.Generic;
    public class Program {
      public static List<int> InOrderTraverse(BST tree, List<int> array) {
        // Write your code here.
        return null;
      public static List<int> PreOrderTraverse(BST tree, List<int> array) {
10
        // Write your code here.
        return null;
13
14
      public static List<int> PostOrderTraverse(BST tree, List<int> array) {
        // Write your code here.
16
        return null;
18
19
      public class BST {
       public int value;
20
       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.