AlgoExpert

Solution 1

Quad Layout

JavaScript

14px

Sublime

Solution 1 Solution 2 Solution 3

Monokai

00:00:

Run Code

Our Solution(s) Run Code

```
Your Solutions
```

```
1 // Do not edit the class below except
 ^{2} // for the depthFirstSearch method.
 3 // Feel free to add new properties
 4 // and methods to the class.
 5 class Node {
    constructor(name) {
       this.name = name;
       this.children = [];
9
10
     addChild(name) {
11
       this.children.push(new Node(name));
12
13
       return this;
14
15
     depthFirstSearch(array) {
16
17
      // Write your code here.
18
19 }
20
21 // Do not edit the line below.
   exports.Node = Node;
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 class Node {
     constructor(name) {
       this.name = name;
       this.children = [];
 8
9
     addChild(name) {
       this.children.push(new Node(name));
10
11
       return this;
12
13
     // O(v + e) time | O(v) space
14
15
     depthFirstSearch(array) {
       array.push(this.name);
16
17
       for (const child of this.children) {
18
         child.depthFirstSearch(array);
19
20
       return array;
21
     }
22 }
23
24 exports.Node = Node;
```

Custom Output Submit Code

Run or submit code when you're ready.