AlgoExpert

Solution 1

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class Node {

constructor(name) {

addChild(name) {

return this;

return array;

28 exports.Node = Node;

this.name = name;

this.children = [];

Quad Layout

JavaScript

Sublime

Monokai

00:00:

Run Code

Our Solution(s)

1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.

this.children.push(new Node(name));

// O(v + e) time | O(v) space

while (queue.length > 0) {

queue.push(child);

const current = queue.shift(); array.push(current.name);

for (const child of current.children) {

breadthFirstSearch(array) {

const queue = [this];

```
Run Code
```

Your Solutions

12px

Solution 1 Solution 2 Solution 3

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

Custom Output Raw Output Submit Code

Run or submit code when you're ready.