Our Solution(s) Run Code

Solution 1

```python
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class Node:
    def __init__(self, name):
        self.children = []
        self.name = name

    def addChild(self, name):
        self.children.append(Node(name))
        return self

    # O(v + e) time | O(v) space
    def depthFirstSearch(self, array):
        array.append(self.name)
        for child in self.children:
            child.depthFirstSearch(array)
        return array

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```python
# Do not edit the class below except
# for the depthFirstSearch method.
# Feel free to add new properties
# and methods to the class.
class Node:
    def __init__(self, name):
        self.children = []
        self.name = name

    def addChild(self, name):
        self.children.append(Node(name))
        return self

    def depthFirstSearch(self, array):
        # Write your code here.
        pass

```

Our Tests

Custom Output Raw Output Submit Code

Run or submit code when you're ready.