Our Solution(s) Run Code

Solution 1

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

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

    # O(v + e) time | O(v) space
    def breadthFirstSearch(self, array):
        queue = [self]
        while len(queue) > 0:
            current = queue.pop(0)
            array.append(current.name)
            for child in current.children:
                queue.append(child)
        return array

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```python
# Do not edit the class below except
# for the breadthFirstSearch 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 breadthFirstSearch(self, array):
        # Write your code here.
        pass

```

Our Tests Custom Output Submit Code

Run or submit code when you're ready.