

Difficulty: ■ Category: Medium Successful Submissions: 41,799+

Breadth-first Search ○ ★

You're given a `Node` class that has a `name` and an array of optional `children` nodes. When put together, nodes form an acyclic tree-like structure.

Implement the `breadthFirstSearch` method on the `Node` class, which takes in an empty array, traverses the tree using the Breadth-first Search approach (specifically navigating the tree from left to right), stores all of the nodes' names in the input array, and returns it.

If you're unfamiliar with Breadth-first Search, we recommend watching the Conceptual Overview section of this question's video explanation before starting to code.

Sample Input

```
graph = A
  / | \
 B  C  D
 / \   / \
E  F  G  H
 / \   \
I  J   K
```

Sample Output

```
["A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K"]
```

Hints

Hint 1



Hint 2



Optimal Space & Time Complexity

