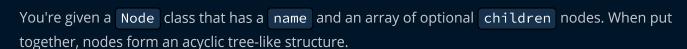


Difficulty: Category:

**Successful Submissions:** 41,799+

## Breadth-first Search $\bigcirc \diamondsuit$



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
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**

**Your Solutions Prompt Custom Output**