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Tracks

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Grokking the Coding Interview: Patterns for Coding Questions

29% completed

- Problem Challenge 1
- Solution Review: Problem Challenge 1
- Problem Challenge 2
- Solution Review: Problem Challenge 2

Pattern: Tree Breadth First Search


- Introduction
- Binary Tree Level Order Traversal (easy)
- Reverse Level Order Traversal (easy)
- Zigzag Traversal (medium)
- Level Averages in a Binary Tree (easy)
- Minimum Depth of a Binary Tree (easy)
- Level Order Successor (easy)

Introduction

This pattern is based on the **Breadth First Search (BFS)** technique to traverse a tree.

Any problem involving the traversal of a tree in a level-by-level order can be efficiently solved using this approach. We will use a **Queue** to keep track of all the nodes of a level before we jump onto the next level. This also means that the space complexity of the algorithm will be $O(W)$, where 'W' is the maximum number of nodes on any level.

Let's jump onto our first problem to understand this pattern.

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Solution Review: Problem Challenge 2

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Binary Tree Level Order Traversal (easy)

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