

Data Structures Interview Guide

Common Interview Topics

1. Arrays and Strings
2. Linked Lists
3. Trees and Graphs
4. Hash Tables
5. Stacks and Queues

Problem-Solving Strategies

1. Break down the problem
2. Consider edge cases
3. Think about time/space complexity
4. Consider multiple approaches
5. Test your solution

Practice Problems

1. Reverse a linked list
2. Check if a binary tree is balanced
3. Implement a hash table
4. Find the shortest path in a graph
5. Design an LRU cache