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Favorite

Hard Collection

Top Interview Questions

Introduction

This is LeetCode's official curated list of Top classic interview questions to help you land your dream job. Our top interview questions are divided into the following series:

1. Easy Collection
2. Medium Collection
3. Hard Collection

to help you master Data Structure & Algorithms and improve your coding skills.

Just like any other skills, coding interview is one area where you can greatly improve with deliberate practice.

Most of the classic interview questions have multiple solution approaches. For the best practice result, we strongly advise you to go through this list at least a second time, or even better - a *third time*.

By the second attempt, you may discover some new tricks or new methods. By the third time, you should find that your code appear to be more concise compared to your first attempt. If so, congratulations!

Remember: Deliberate practice does not mean looking for answers and memorizing it. You won't go very far with that approach. The more you are able to solve a problem yourself without any reference to answers, the more you will improve.

Array and Strings

Product of Array Except Self	Spiral Matrix
4Sum II	Container With Most Water
Game of Life	First Missing Positive
Longest Consecutive Sequence	Find the Duplicate Number
Longest Substring with At Most K Disti...	Basic Calculator II
Sliding Window Maximum	Minimum Window Substring

Linked List

Merge k Sorted Lists	Sort List
Copy List with Random Pointer	

Trees and Graphs

Word Ladder	Surrounded Regions
Lowest Common Ancestor of a Binary ...	Binary Tree Maximum Path Sum
Friend Circles	Course Schedule
Course Schedule II	Longest Increasing Path in a Matrix
Alien Dictionary	Count of Smaller Numbers After Self

Backtracking

☐ Palindrome Partitioning	☑ Word Search II
☐ Remove Invalid Parentheses	☐ Wildcard Matching
☐ Regular Expression Matching	

Sorting and Searching

☐ Wiggle Sort II	☐ Kth Smallest Element in a Sorted Matrix
☑ Median of Two Sorted Arrays	

Dynamic Programming

☑ Maximum Product Subarray	☐ Decode Ways
☐ Best Time to Buy and Sell Stock with C...	☐ Perfect Squares
☐ Word Break	☐ Word Break II
☐ Burst Balloons	

Design

☑ LRU Cache	☑ Implement Trie (Prefix Tree)
☐ Flatten Nested List Iterator	☐ Find Median from Data Stream
☑ Range Sum Query 2D - Mutable	

Math

☐ Largest Number	☐ Max Points on a Line

Others

☐ Queue Reconstruction by Height	☑ Trapping Rain Water
☐ The Skyline Problem	☐ Largest Rectangle in Histogram