

Must-do List for Interview Prep

Top Interview 150

▶ Start

Array / String

✓

Merge Sorted Array

Easy

✓

Remove Element

Easy

✓

Remove Duplicates from Sorted Array

Easy

○

Remove Duplicates from Sorted Array II

Medium

○

Majority Element

Easy

○

Rotate Array

Medium

✓

Best Time to Buy and Sell Stock

Easy

○

Best Time to Buy and Sell Stock II

Medium

✓

Jump Game

Medium

✓

Jump Game II

Medium

○

H-Index

Medium

○

Insert Delete GetRandom O(1)

Medium

✓

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1/10



- ☐ Candy Hard
- ☒ Trapping Rain Water Hard
- ☒ Roman to Integer Easy
- ☒ Integer to Roman Medium
- ☒ Length of Last Word Easy
- ☒ Longest Common Prefix Easy
- ☐ Reverse Words in a String Medium
- ☒ Zigzag Conversion Medium
- ☒ Find the Index of the First Occurrence in a String Easy
- ☐ Text Justification Hard

Two Pointers

- ☒ Valid Palindrome Easy
- ☐ Is Subsequence Easy
- ☒ Two Sum II - Input Array Is Sorted Medium
- ☒ Container With Most Water Medium
- ☒ 3Sum Medium

Sliding Window



☒ Longest Substring Without Repeating Characters Medium

☐ Substring with Concatenation of All Words Hard

☐ Minimum Window Substring Hard

Matrix

☒ Valid Sudoku Medium

☒ Spiral Matrix Medium

☒ Rotate Image Medium

☒ Set Matrix Zeroes Medium

☐ Game of Life Medium

Hashmap

☐ Ransom Note Easy

☐ Isomorphic Strings Easy

☐ Word Pattern Easy

☒ Valid Anagram Easy

☒ Group Anagrams Medium

☒ Two Sum Easy

☒ Happy Number Easy



☒ Longest Consecutive Sequence

Medium

Intervals

☐ Summary Ranges

Easy

☒ Merge Intervals

Medium

☐ Insert Interval

Medium

☐ Minimum Number of Arrows to Burst Balloons

Medium

Stack

☒ Valid Parentheses

Easy

☐ Simplify Path

Medium

☒ Min Stack

Medium

☒ Evaluate Reverse Polish Notation

Medium

☐ Basic Calculator

Hard

Linked List

☐ Linked List Cycle

Easy

☒ Add Two Numbers

Medium

☒ Merge Two Sorted Lists

Easy

☐ Copy List with Random Pointer

Medium



Reverse Nodes in k-Group

Hard

- ☒ Remove Nth Node From End of List Medium
- ☐ Remove Duplicates from Sorted List II Medium
- ☐ Rotate List Medium
- ☐ Partition List Medium
- ☒ LRU Cache Medium

Binary Tree General

- ☒ Maximum Depth of Binary Tree Easy
- ☒ Same Tree Easy
- ☒ Invert Binary Tree Easy
- ☐ Symmetric Tree Easy
- ☐ Construct Binary Tree from Preorder and Inorder Traversal Medium
- ☐ Construct Binary Tree from Inorder and Postorder Traversal Medium
- ☐ Populating Next Right Pointers in Each Node II Medium
- ☐ Flatten Binary Tree to Linked List Medium
- ☐ Path Sum Easy
- ☐ Sum Root to Leaf Numbers Medium
- ☐ Binary Tree Maximum Path Sum Hard



☐ Count Complete Tree Nodes Medium

☐ Lowest Common Ancestor of a Binary Tree Medium

Binary Tree BFS

☐ Binary Tree Right Side View Medium

☐ Average of Levels in Binary Tree Easy

☒ Binary Tree Level Order Traversal Medium

☐ Binary Tree Zigzag Level Order Traversal Medium

Binary Search Tree

☐ Minimum Absolute Difference in BST Easy

☐ Kth Smallest Element in a BST Medium

☐ Validate Binary Search Tree Medium

Graph General

☒ Number of Islands Medium

☐ Surrounded Regions Medium

☒ Clone Graph Medium

☐ Evaluate Division Medium

☒ Course Schedule Medium



Graph BFS

- ☐ Snakes and Ladders Medium
- ☐ Minimum Genetic Mutation Medium
- ☐ Word Ladder Hard

Trie

- ☐ Implement Trie (Prefix Tree) Medium
- ☐ Design Add and Search Words Data Structure Medium
- ☐ Word Search II Hard

Backtracking

- ☒ Letter Combinations of a Phone Number Medium
- ☐ Combinations Medium
- ☒ Permutations Medium
- ☒ Combination Sum Medium
- ☐ N-Queens II Hard
- ☒ Generate Parentheses Medium
- ☒ Word Search Medium

Divide & Conquer



<input type="radio"/> Sort List	Medium
<input type="radio"/> Construct Quad Tree	Medium
<input checked="" type="radio"/> Merge k Sorted Lists	Hard
Kadane's Algorithm	
<input checked="" type="radio"/> Maximum Subarray	Medium
<input type="radio"/> Maximum Sum Circular Subarray	Medium
Binary Search	
<input checked="" type="radio"/> Search Insert Position	Easy
<input checked="" type="radio"/> Search a 2D Matrix	Medium
<input type="radio"/> Find Peak Element	Medium
<input checked="" type="radio"/> Search in Rotated Sorted Array	Medium
<input checked="" type="radio"/> Find First and Last Position of Element in Sorted Array	Medium
<input checked="" type="radio"/> Find Minimum in Rotated Sorted Array	Medium
<input checked="" type="radio"/> Median of Two Sorted Arrays	Hard
Heap	
<input type="radio"/> Kth Largest Element in an Array	Medium
<input type="radio"/> IPO	Hard
<input type="radio"/> Find K Pairs with Smallest Sums	Medium



Bit Manipulation

- ☐ Add Binary Easy
- ☐ Reverse Bits Easy
- ☒ Number of 1 Bits Easy
- ☒ Single Number Easy
- ☐ Single Number II Medium
- ☐ Bitwise AND of Numbers Range Medium

Math

- ☒ Palindrome Number Easy
- ☒ Plus One Easy
- ☐ Factorial Trailing Zeroes Medium
- ☒ Sqrt(x) Easy
- ☒ Pow(x, n) Medium
- ☐ Max Points on a Line Hard

1D DP

- ☒ Climbing Stairs Easy
- ☒ House Robber Medium



<input type="radio"/> Coin Change	Medium
<input type="radio"/> Longest Increasing Subsequence	Medium
Multidimensional DP	
<input type="radio"/> Triangle	Medium
<input type="radio"/> Minimum Path Sum	Medium
<input type="radio"/> Unique Paths II	Medium
<input checked="" type="radio"/> Longest Palindromic Substring	Medium
<input type="radio"/> Interleaving String	Medium
<input type="radio"/> Edit Distance	Hard
<input type="radio"/> Best Time to Buy and Sell Stock III	Hard
<input type="radio"/> Best Time to Buy and Sell Stock IV	Hard
<input type="radio"/> Maximal Square	Medium

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