Top Interview 150

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Array / String

✓ Merge Sorted Array	🗎 Solution	Easy
✓ Remove Element	🗎 Solution	Easy
✓ Remove Duplicates from Sorted Array	🗎 Solution	Easy
○ Remove Duplicates from Sorted Array II	🗎 Solution	Medium
○ Majority Element	🗎 Solution	Easy
○ Rotate Array	🗎 Solution	Medium
○ Best Time to Buy and Sell Stock	🗎 Solution	Easy
○ Best Time to Buy and Sell Stock II	🗎 Solution	Medium
○ Jump Game	🗎 Solution	Medium
○ Jump Game II	🗎 Solution	Medium
○ H-Index	🗎 Solution	Medium
○ Insert Delete GetRandom O(1)	🗎 Solution	Medium
○ Product of Array Except Self	🗎 Solution	Medium

○ Roman to Integer	🗒 Solution	Easy
○ Integer to Roman	🗒 Solution	Medium
○ Length of Last Word	🗒 Solution	Easy
○ Longest Common Prefix	🗒 Solution	Easy
○ Reverse Words in a String	🗒 Solution	Medium
○ Zigzag Conversion	🗒 Solution	Medium
○ Find the Index of the First Occurrence in a String	🗒 Solution	Easy
○ Text Justification	🗒 Solution	Hard

Two Pointers

○ Valid Palindrome	🗒 Solution	Easy
○ Is Subsequence	🗒 Solution	Easy
○ Two Sum II - Input Array Is Sorted	🗒 Solution	Medium
○ Container With Most Water	🗒 Solution	Medium
⊘ 3Sum	🗒 Solution	Medium

Sliding Window

○ Minimum Size Subarray Sum	🗒 Solution	Medium

Matrix

- ◯ Valid Sudoku   🗒 Solution   **Medium**
- ◯ Spiral Matrix   🗒 Solution   **Medium**
- ◯ Rotate Image   🗒 Solution   **Medium**
- ◯ Set Matrix Zeroes   🗒 Solution   **Medium**
- ◯ Game of Life   🗒 Solution   **Medium**

Hashmap

- ◯ Ransom Note   🗒 Solution   **Easy**
- ◯ Isomorphic Strings   🗒 Solution   **Easy**
- ◯ Word Pattern   🗒 Solution   **Easy**
- ◯ Valid Anagram   🗒 Solution   **Easy**
- ◯ Group Anagrams   🗒 Solution   **Medium**
- ✓ Two Sum   🗒 Solution   **Easy**
- ◯ Happy Number   🗒 Solution   **Easy**
- ◯ Contains Duplicate II   🗒 Solution   **Easy**
- ◯ Longest Consecutive Sequence   🗒 Solution   **Medium**

Intervals

○ Minimum Number of Arrows to Burst Balloons · Solution · Medium

Stack

✓ Valid Parentheses · Solution · Easy

○ Simplify Path · Solution · Medium

○ Min Stack · Solution · Medium

✓ Evaluate Reverse Polish Notation · Solution · Medium

○ Basic Calculator · Solution · Hard

Linked List

○ Linked List Cycle · Solution · Easy

✓ Add Two Numbers · Solution · Medium

✓ Merge Two Sorted Lists · Solution · Easy

○ Copy List with Random Pointer · Solution · Medium

○ Reverse Linked List II · Solution · Medium

○ Reverse Nodes in k-Group · Solution · Hard

✓ Remove Nth Node From End of List · Solution · Medium

○ Remove Duplicates from Sorted List II · Solution · Medium

· Solution

Binary Tree General

○ Maximum Depth of Binary Tree   ▤ Solution   Easy

○ Same Tree   ▤ Solution   Easy

○ Invert Binary Tree   ▤ Solution   Easy

○ Symmetric Tree   ▤ Solution   Easy

○ Construct Binary Tree from Preorder and Inorder Traversal   ▤ Solution   Medium

○ Construct Binary Tree from Inorder and Postorder Traversal   ▤ Solution   Medium

○ Populating Next Right Pointers in Each Node II   ▤ Solution   Medium

○ Flatten Binary Tree to Linked List   ▤ Solution   Medium

○ Path Sum   ▤ Solution   Easy

○ Sum Root to Leaf Numbers   ▤ Solution   Medium

○ Binary Tree Maximum Path Sum   ▤ Solution   Hard

○ Binary Search Tree Iterator   ▤ Solution   Medium

○ Count Complete Tree Nodes   ▤ Solution   Easy

○ Lowest Common Ancestor of a Binary Tree   ▤ Solution   Medium

Binary Tree BFS

○ Binary Tree Right Side View   ▤ Solution   Medium

Binary Search Tree

○ Minimum Absolute Difference in BST   ▤ Solution   **Easy**

○ Kth Smallest Element in a BST   ▤ Solution   **Medium**

○ Validate Binary Search Tree   ▤ Solution   **Medium**

Graph General

○ Number of Islands   ▤ Solution   **Medium**

○ Surrounded Regions   ▤ Solution   **Medium**

○ Clone Graph   ▤ Solution   **Medium**

○ Evaluate Division   ▤ Solution   **Medium**

○ Course Schedule   ▤ Solution   **Medium**

○ Course Schedule II   ▤ Solution   **Medium**

Graph BFS

○ Snakes and Ladders   ▤ Solution   **Medium**

○ Minimum Genetic Mutation   ▤ Solution   **Medium**

○ Word Ladder   ▤ Solution   **Hard**

Trie

                                               ▤ Solution

Backtracking

○ Letter Combinations of a Phone Number   🗉 Solution   Medium

○ Combinations   🗉 Solution   Medium

○ Permutations   🗉 Solution   Medium

○ Combination Sum   🗉 Solution   Medium

○ N-Queens II   🗉 Solution   Hard

○ Generate Parentheses   🗉 Solution   Medium

○ Word Search   🗉 Solution   Medium

Divide & Conquer

○ Convert Sorted Array to Binary Search Tree   🗉 Solution   Easy

○ Sort List   🗉 Solution   Medium

○ Construct Quad Tree   🗉 Solution   Medium

○ Merge k Sorted Lists   🗉 Solution   Hard

Kadane's Algorithm

○ Maximum Subarray   🗉 Solution   Medium

○ Maximum Sum Circular Subarray   🗉 Solution   Medium

Binary Search

○ Search in Rotated Sorted Array   ▤ Solution   Medium

○ Find First and Last Position of Element in Sorted Array   ▤ Solution   Medium

✓ Find Minimum in Rotated Sorted Array   ▤ Solution   Medium

✓ Median of Two Sorted Arrays   ▤ Solution   Hard

Heap

○ Kth Largest Element in an Array   ▤ Solution   Medium

○ IPO   ▤ Solution   Hard

○ Find K Pairs with Smallest Sums   ▤ Solution   Medium

○ Find Median from Data Stream   ▤ Solution   Hard

Bit Manipulation

○ Add Binary   ▤ Solution   Easy

○ Reverse Bits   ▤ Solution   Easy

○ Number of 1 Bits   ▤ Solution   Easy

○ Single Number   ▤ Solution   Easy

○ Single Number II   ▤ Solution   Medium

○ Bitwise AND of Numbers Range   ▤ Solution   Medium

- ○ Sqrt(x)   📄 Solution   Easy
- ○ Pow(x, n)   📄 Solution   Medium
- ○ Max Points on a Line   📄 Solution   Hard

1D DP

- ○ Climbing Stairs   📄 Solution   Easy
- ○ House Robber   📄 Solution   Medium
- ○ Word Break   📄 Solution   Medium
- ○ Coin Change   📄 Solution   Medium
- ○ Longest Increasing Subsequence   📄 Solution   Medium

Multidimensional DP

- ○ Triangle   📄 Solution   Medium
- ○ Minimum Path Sum   📄 Solution   Medium
- ○ Unique Paths II   📄 Solution   Medium
- ⊘ Longest Palindromic Substring   📄 Solution   Medium
- ○ Interleaving String   📄 Solution   Medium
- ○ Edit Distance   📄 Solution   Medium