

# Common LeetCode Problems

## 1. Array & Hashing

Problem	Company Tags
Two Sum	Adobe, Amazon, Apple, Expedia, Microsoft, Oracle, Visa, VMware
3Sum	Adobe, Amazon, Apple, Oracle, Walmart Labs
Longest Substring Without Repeating Characters	Adobe, Amazon, Apple, Walmart Labs
Median of Two Sorted Arrays	Adobe, Apple, Visa, Walmart Labs
Trapping Rain Water	Adobe, Amazon, Apple, Walmart Labs
LRU Cache	Adobe, Amazon, Expedia, Apple, Microsoft, Oracle, Visa, VMware
Merge Two Sorted Lists	Adobe, Amazon, Apple, Microsoft
Find Median from Data Stream	Amazon, Expedia, Microsoft
Valid Parentheses	Amazon, Apple, Expedia, Visa, VMware, Walmart Labs
Reverse Integer	Adobe, Apple
Number of Islands	Amazon, Apple, Expedia, Oracle, Visa
Kth Largest Element in an Array	Amazon, Expedia
Merge K Sorted Lists	Adobe, Amazon, Apple, Oracle, Walmart Labs
Word Break	Amazon, Adobe
Group Anagrams	Amazon, Apple, Microsoft, Visa, Walmart Labs
Longest Palindromic Substring	Adobe, Amazon, Apple, Oracle, VMware
Maximum Subarray	Adobe, Amazon, Apple, Oracle, Visa
Search in Rotated Sorted Array	Amazon, Expedia, Visa, VMware
Word Ladder	Amazon, Expedia, Walmart Labs

Design HashMap	Amazon, Apple
Coin Change	Amazon, Visa, VMware
Serialize and Deserialize Binary Tree	Amazon, Expedia, Oracle
Intersection of Two Arrays II	Apple, Expedia
Spiral Matrix	Amazon, Apple, Walmart Labs
Integer to Roman	Amazon, Expedia, Apple, Visa
Min Stack	Amazon, Apple, Visa
Product of Array Except Self	Apple, Visa
Set Matrix Zeroes	Expedia
Subarray Sum Equals K	Expedia, Oracle
Top K Frequent Words	Expedia

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## 2. Linked List

Problem	Company Tags
Copy List with Random Pointer	Amazon, Expedia, Oracle, Visa
Reverse Linked List	Adobe, Amazon, Oracle, Visa, VMware
Remove Nth Node From End of List	Oracle
Linked List Cycle	Oracle
Merge K Sorted Lists	Adobe, Amazon, Apple, Oracle, Walmart Labs
Add Two Numbers	Adobe, Amazon, Apple, Microsoft, Walmart Labs
Flatten Multilevel Doubly Linked List	Visa
Design Linked List	Amazon
LRU Cache	Adobe, Amazon, Expedia, Apple, Microsoft, Oracle, Visa, VMware

LFU Cache

Amazon, Expedia, VMware

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### 3. Trees & Graphs

Problem	Company Tags
Lowest Common Ancestor of a Binary Tree	Amazon, Microsoft, Visa
Diameter of Binary Tree	Adobe, Amazon, Apple
Validate Binary Search Tree	Visa
Binary Tree Zigzag Level Order Traversal	Microsoft
Serialize and Deserialize Binary Tree	Amazon, Expedia, Oracle
Word Ladder	Amazon, Expedia, Walmart Labs
Search in a Binary Search Tree	Amazon
Flatten Binary Tree to Linked List	Apple
Construct Binary Tree from Preorder and Inorder Traversal	Microsoft
Find Peak Element	Amazon, Walmart Labs

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### 4. Dynamic Programming

Problem	Company Tags
Longest Palindromic Substring	Adobe, Amazon, Apple, Oracle, VMware
Word Break	Amazon, Adobe
Edit Distance	Adobe
House Robber	Amazon
Best Time to Buy and Sell Stock	Amazon, Oracle
Unique Paths	Amazon
Coin Change	Amazon, Visa, VMware

Decode Ways	Amazon, Expedia
Maximum Product Subarray	Adobe
Triangle	Apple

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## 5. Backtracking

Problem	Company Tags
Letter Combinations of a Phone Number	Amazon, Oracle, VMware
Generate Parentheses	Apple, Walmart Labs
Combination Sum	Apple
Word Search	Amazon, Expedia, Walmart Labs
Restore IP Addresses	Microsoft
Sudoku Solver	Expedia, VMware
Palindrome Partitioning	Microsoft
N-Queens	Apple
Subsets	Walmart Labs

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## 6. Greedy & Interval Problems

Problem	Company Tags
Jump Game	Oracle
Merge Intervals	Amazon, Apple, Walmart Labs
Non-overlapping Intervals	Microsoft
Meeting Rooms II	Amazon, Microsoft
Task Scheduler	Amazon
Gas Station	Microsoft

Insert Interval	Amazon
Find Minimum in Rotated Sorted Array	Walmart Labs
Partition Labels	Amazon

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## 7. Bit Manipulation

Problem	Company Tags
Single Number	Amazon
Number of 1 Bits	Microsoft
Bitwise AND of Numbers Range	Apple
Reverse Bits	Amazon
Power of Two	Apple

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## 8. Sorting & Searching

Problem	Company Tags
Search in Rotated Sorted Array	Amazon, Expedia, Visa, VMware
First Missing Positive	Expedia, Walmart Labs
Search a 2D Matrix	Amazon, Expedia, Visa
K Closest Points to Origin	Apple, Expedia
Sort Colors	Apple
Find First and Last Position of Element in Sorted Array	Oracle, Walmart Labs

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## 9. Stack & Heap

Problem	Company Tags
Min Stack	Amazon, Apple, Visa
Sliding Window Maximum	Amazon

Largest Rectangle in Histogram	Apple
Basic Calculator II	Amazon, Walmart Labs
Evaluate Reverse Polish Notation	Microsoft
Find Median from Data Stream	Amazon, Expedia, Microsoft
The Skyline Problem	Microsoft
Kth Largest Element in an Array	Amazon, Expedia

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## 10. Design & Miscellaneous

Problem	Company Tags
Implement Trie (Prefix Tree)	Amazon, Walmart Labs
Design Snake Game	Microsoft
Encode and Decode TinyURL	Amazon
Valid Sudoku	Microsoft