

Grind 108: 5-Week Plan for FAANG Interview Preparation

This document organizes the Grind 108 list of medium and hard LeetCode problems into a 5-week study plan for FAANG interview preparation. Problems are grouped by topic and ordered for easier learning, with medium problems spread across Weeks 1–4 (~26 per week) and hard problems in Week 5. Each problem includes its name, difficulty, LeetCode link, and a checkbox to track completion.

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Week 1: Arrays, Strings, Hash Tables

#	Problem Name	Difficulty	LeetCode Link	Done
1	Maximum Subarray	Medium	https://leetcode.com/problems/maximum-subarray	<input type="checkbox"/>
2	Product of Array Except Self	Medium	https://leetcode.com/problems/product-of-array-except-self	<input type="checkbox"/>
3	Rotate Array	Medium	https://leetcode.com/problems/rotate-array	<input type="checkbox"/>
4	Container With Most Water	Medium	https://leetcode.com/problems/container-with-most-water	<input type="checkbox"/>
5	3Sum	Medium	https://leetcode.com/problems/3sum	<input type="checkbox"/>
6	3Sum Closest	Medium	https://leetcode.com/problems/3sum-closest	<input type="checkbox"/>

#	Problem Name	Difficulty	LeetCode Link	Done
7	Find All Anagrams in a String	Medium	https://leetcode.com/problems/find-all-anagrams-in-a-string	[]
8	Longest Substring Without Repeating Characters	Medium	https://leetcode.com/problems/longest-substring-without-repeating-characters	[]
9	Longest Palindromic Substring	Medium	https://leetcode.com/problems/longest-palindromic-substring	[]
10	String to Integer (atoi)	Medium	https://leetcode.com/problems/string-to-integer-atoi	[]
11	Letter Combinations of a Phone Number	Medium	https://leetcode.com/problems/letter-combinations-of-a-phone-number	[]
12	Word Search	Medium	https://leetcode.com/problems/word-search	[]
13	Longest Repeating Character Replacement	Medium	https://leetcode.com/problems/longest-repeating-character-replacement	[]
14	Group Anagrams	Medium	https://leetcode.com/problems/group-anagrams	[]
15	Top K Frequent Words	Medium	https://leetcode.com/problems/top-k-frequent-words	[]
16	Accounts Merge	Medium	https://leetcode.com/problems/accounts-merge	[]
17	Find the Duplicate Number	Medium	https://leetcode.com/problems/find-the-duplicate-number	[]

#	Problem Name	Difficulty	LeetCode Link	Done
18	Longest Consecutive Sequence	Medium	https://leetcode.com/problems/longest-consecutive-sequence	[]
19	Contiguous Array	Medium	https://leetcode.com/problems/contiguous-array	[]
20	Subarray Sum Equals K	Medium	https://leetcode.com/problems/subarray-sum-equals-k	[]
21	Sort Colors	Medium	https://leetcode.com/problems/sort-colors	[]
22	K Closest Points to Origin	Medium	https://leetcode.com/problems/k-closest-points-to-origin	[]
23	Spiral Matrix	Medium	https://leetcode.com/problems/spiral-matrix	[]
24	Set Matrix Zeroes	Medium	https://leetcode.com/problems/set-matrix-zeroes	[]
25	Rotate Image	Medium	https://leetcode.com/problems/rotate-image	[]
26	Single Number	Easy*	https://leetcode.com/problems/single-number	[]

Week 2: Linked Lists, Stacks/Queues, Others

#	Problem Name	Difficulty	LeetCode Link	Done
1	Remove Nth Node From End of List	Medium	https://leetcode.com/problems/remove-nth-node-from-end-of-list	[]
2	Swap Nodes in Pairs	Medium	https://leetcode.com/problems/swap-nodes-in-pairs	[]
3	Add Two Numbers	Medium	https://leetcode.com/problems/add-two-numbers	[]
4	Rotate List	Medium	https://leetcode.com/problems/rotate-list	[]
5	Reorder List	Medium	https://leetcode.com/problems/reorder-list	[]

#	Problem Name	Difficulty	LeetCode Link	Done
6	Odd Even Linked List	Medium	https://leetcode.com/problems/odd-even-linked-list	[]
7	Sort List	Medium	https://leetcode.com/problems/sort-list	[]
8	Min Stack	Medium	https://leetcode.com/problems/min-stack	[]
9	Evaluate Reverse Polish Notation	Medium	https://leetcode.com/problems/evaluate-reverse-polish-notation	[]
10	Daily Temperatures	Medium	https://leetcode.com/problems/daily-temperatures	[]
11	Asteroid Collision	Medium	https://leetcode.com/problems/asteroid-collision	[]
12	Combination Sum	Medium	https://leetcode.com/problems/combination-sum	[]
13	Permutations	Medium	https://leetcode.com/problems/permutations	[]
14	Subsets	Medium	https://leetcode.com/problems/subsets	[]
15	Generate Parentheses	Medium	https://leetcode.com/problems/generate-parentheses	[]
16	Next Permutation	Medium	https://leetcode.com/problems/next-permutation	[]
17	Valid Sudoku	Medium	https://leetcode.com/problems/valid-sudoku	[]
18	Gas Station	Medium	https://leetcode.com/problems/gas-station	[]
19	Jump Game	Medium	https://leetcode.com/problems/jump-game	[]
20	Largest Number	Medium	https://leetcode.com/problems/largest-number	[]
21	Random Pick with Weight	Medium	https://leetcode.com/problems/random-pick-with-weight	[]
22	Insert Delete GetRandom O(1)	Medium	https://leetcode.com/problems/insert-delete-getrandom-o1	[]

#	Problem Name	Difficulty	LeetCode Link	Done
23	Maximum Product Subarray	Medium	https://leetcode.com/problems/maximum-product-subarray	[]
24	Merge Intervals	Medium	https://leetcode.com/problems/merge-intervals	[]
25	Insert Interval	Medium	https://leetcode.com/problems/insert-interval	[]
26	Non-overlapping Intervals	Medium	https://leetcode.com/problems/non-overlapping-intervals	[]

Week 3: Trees, Sorting/Searching, Design

#	Problem Name	Difficulty	LeetCode Link	Done
1	Binary Tree Level Order Traversal	Medium	https://leetcode.com/problems/binary-tree-level-order-traversal	[]
2	Binary Tree Zigzag Level Order Traversal	Medium	https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal	[]
3	Binary Tree Right Side View	Medium	https://leetcode.com/problems/binary-tree-right-side-view	[]
4	Validate Binary Search Tree	Medium	https://leetcode.com/problems/validate-binary-search-tree	[]
5	Kth Smallest Element in a BST	Medium	https://leetcode.com/problems/kth-smallest-element-in-a-bst	[]
6	Inorder Successor in BST	Medium	https://leetcode.com/problems/inorder-successor-in-bst	[]
7	Lowest Common	Medium	https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree	[]

#	Problem Name	Difficulty	LeetCode Link	Done
	Ancestor of a Binary Tree			
8	Construct Binary Tree from Preorder and Inorder Traversal	Medium	https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal	[]
9	Maximum Width of Binary Tree	Medium	https://leetcode.com/problems/maximum-width-of-binary-tree	[]
10	All Nodes Distance K in Binary Tree	Medium	https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree	[]
11	Search in Rotated Sorted Array	Medium	https://leetcode.com/problems/search-in-rotated-sorted-array	[]
12	Find Minimum in Rotated Sorted Array	Medium	https://leetcode.com/problems/find-minimum-in-rotated-sorted-array	[]
13	Kth Largest Element in an Array	Medium	https://leetcode.com/problems/kth-largest-element-in-an-array	[]
14	Find K Closest Elements	Medium	https://leetcode.com/problems/find-k-closest-elements	[]
15	Search a 2D Matrix	Medium	https://leetcode.com/problems/search-a-2d-matrix	[]
16	Implement Trie (Prefix Tree)	Medium	https://leetcode.com/problems/implement-trie-prefix-tree	[]
17	Design Add and Search Words Data Structure	Medium	https://leetcode.com/problems/design-add-and-search-words-data-structure	[]

#	Problem Name	Difficulty	LeetCode Link	Done
18	Time Based Key-Value Store	Medium	https://leetcode.com/problems/time-based-key-value-store	[]
19	Design Hit Counter	Medium	https://leetcode.com/problems/design-hit-counter	[]
20	LRU Cache	Medium	https://leetcode.com/problems/lru-cache	[]
21	Path Sum II	Medium	https://leetcode.com/problems/path-sum-ii	[]
22	Path Sum III	Medium	https://leetcode.com/problems/path-sum-iii	[]
23	Encode and Decode Strings	Medium	https://leetcode.com/problems/encode-and-decode-strings	[]
24	Meeting Rooms II	Medium	https://leetcode.com/problems/meeting-rooms-ii	[]
25	Shortest Path to Get Food	Medium	https://leetcode.com/problems/shortest-path-to-get-food	[]
26	Rectangle Overlap	Easy*	https://leetcode.com/problems/rectangle-overlap	[]

Week 4: Graphs, Dynamic Programming, Math

#	Problem Name	Difficulty	LeetCode Link	Done
1	Number of Islands	Medium	https://leetcode.com/problems/number-of-islands	[]
2	Course Schedule	Medium	https://leetcode.com/problems/course-schedule	[]
3	Course Schedule II	Medium	https://leetcode.com/problems/course-schedule-ii	[]
4	Clone Graph	Medium	https://leetcode.com/problems/clone-graph	[]

#	Problem Name	Difficulty	LeetCode Link	Done
5	Number of Connected Components in an Undirected Graph	Medium	https://leetcode.com/problems/number-of-connected-components-in-an-undirected-graph	[]
6	Graph Valid Tree	Medium	https://leetcode.com/problems/graph-valid-tree	[]
7	Pacific Atlantic Water Flow	Medium	https://leetcode.com/problems/pacific-atlantic-water-flow	[]
8	Rotting Oranges	Medium	https://leetcode.com/problems/rotting-oranges	[]
9	Cheapest Flights Within K Stops	Medium	https://leetcode.com/problems/cheapest-flights-within-k-stops	[]
10	Minimum Height Trees	Medium	https://leetcode.com/problems/minimum-height-trees	[]
11	Coin Change	Medium	https://leetcode.com/problems/coin-change	[]
12	Longest Increasing Subsequence	Medium	https://leetcode.com/problems/longest-increasing-subsequence	[]
13	Word Break	Medium	https://leetcode.com/problems/word-break	[]
14	Partition Equal Subset Sum	Medium	https://leetcode.com/problems/partition-equal-subset-sum	[]
15	House Robber	Medium	https://leetcode.com/problems/house-robber	[]
16	Decode Ways	Medium	https://leetcode.com/problems/decode-ways	[]
17	Combination Sum IV	Medium	https://leetcode.com/problems/combination-sum-iv	[]
18	Maximal Square	Medium	https://leetcode.com/problems/maximal-square	[]
19	Pow(x, n)	Medium	https://leetcode.com/problems/powx-n	[]
20	Number of 1 Bits	Easy*	https://leetcode.com/problems/number-of-1-bits	[]

#	Problem Name	Difficulty	LeetCode Link	Done
21	Reverse Integer	Medium	https://leetcode.com/problems/reverse-integer	[]
22	Basic Calculator II	Medium	https://leetcode.com/problems/basic-calculator-ii	[]
23	Task Scheduler	Medium	https://leetcode.com/problems/task-scheduler	[]
24	Minimum Knight Moves	Medium	https://leetcode.com/problems/minimum-knight-moves	[]
25	Decode String	Medium	https://leetcode.com/problems/decode-string	[]
26	Unique Paths	Medium	https://leetcode.com/problems/unique-paths	[]
27	01 Matrix	Medium	https://leetcode.com/problems/01-matrix	[]

Week 5: Hard Problems

#	Problem Name	Difficulty	LeetCode Link	Done
1	Trapping Rain Water	Hard	https://leetcode.com/problems/trapping-rain-water	[]
2	Median of Two Sorted Arrays	Hard	https://leetcode.com/problems/median-of-two-sorted-arrays	[]
3	Regular Expression Matching	Hard	https://leetcode.com/problems/regular-expression-matching	[]