**🧭 Your LeetCode Practice Roadmap**

**Goal:** Build strong DSA + problem-solving for interviews or competitive programming  
**Duration:** ~8–10 weeks (can go faster if you’re consistent)  
**Languages:** C++ or JavaScript

**🗓️ Phase 1: Foundation (Week 1–2)**

**Focus:** Arrays & Strings  
Learn basics of looping, searching, and pattern logic.

| **Topic** | **Problems (LeetCode)** | **Goal** |
| --- | --- | --- |
| Arrays - Basics | Two Sum (1), Maximum Subarray (53), Contains Duplicate (217) | Hashing, prefix/suffix logic |
| Arrays - Operations | Best Time to Buy and Sell Stock (121), Move Zeroes (283), Product of Array Except Self (238) | Two pointers & optimization |
| Strings | Valid Anagram (242), Isomorphic Strings (205), Reverse String (344) | String manipulation |

**🧩 Phase 2: Intermediate Structures (Week 3–4)**

**Focus:** HashMap, Stack, Queue, and Linked List

| **Topic** | **Problems** | **Key Idea** |
| --- | --- | --- |
| Hashing | Two Sum II, Group Anagrams, Top K Frequent Elements | Using maps/sets for counting & lookup |
| Stack | Valid Parentheses (20), Min Stack (155), Daily Temperatures (739) | Learn LIFO logic |
| Queue | Implement Queue using Stacks (232), Number of Recent Calls (933) | FIFO simulation |
| Linked List | Reverse Linked List (206), Merge Two Sorted Lists (21), Linked List Cycle (141) | Pointers, traversal, cycle detection |

**🔁 Phase 3: Problem-Solving Logic (Week 5–6)**

**Focus:** Two Pointers, Sliding Window, Recursion, Binary Search

| **Topic** | **Problems** | **Concept** |
| --- | --- | --- |
| Two Pointers | 3Sum (15), Remove Duplicates from Sorted Array (26), Trapping Rain Water (42) | Pointer movement |
| Sliding Window | Longest Substring Without Repeating Characters (3), Minimum Size Subarray Sum (209) | Dynamic window range |
| Binary Search | Binary Search (704), Find Peak Element (162), Search in Rotated Sorted Array (33) | Divide & conquer |
| Recursion | Fibonacci Number (509), Subsets (78), Combinations (77) | Base & recursive cases |

**🌳 Phase 4: Advanced (Week 7–8)**

**Focus:** Trees, Graphs, and Dynamic Programming

| **Topic** | **Problems** | **Concept** |
| --- | --- | --- |
| Binary Tree | Maximum Depth of Binary Tree (104), Invert Binary Tree (226), Diameter of Binary Tree (543) | DFS/BFS traversal |
| Graph | Number of Islands (200), Clone Graph (133), Course Schedule (207) | DFS/BFS graph logic |
| Dynamic Programming | Climbing Stairs (70), House Robber (198), Coin Change (322) | Memoization & tabulation |

**🧠 Bonus Tips**

* 🔁 Revisit tough problems after a few days.
* 🕒 Try contests occasionally (LeetCode Weekly/Biweekly).
* 💬 Discuss in forums — reading others’ logic helps a lot.
* 🧾 Keep notes of *patterns* you discover.