Here's a **12-week structured roadmap** to help you systematically prepare for FAANG interviews. 🚀

**🔥 Week 1-2: Master the Basics (Arrays, Strings, Hashing)**

* **Day 1-2:** Arrays
  + Two Sum
  + Merge Intervals
  + Best Time to Buy and Sell Stock
  + Rotate Array
  + Trapping Rain Water
* **Day 3-4:** Strings
  + Longest Substring Without Repeating Characters
  + Longest Common Prefix
  + Reverse Words in a String
  + Valid Anagram
* **Day 5-6:** Hashing & HashMaps
  + Subarray Sum Equals K
  + Group Anagrams
  + Top K Frequent Elements
  + First Unique Character in a String
* **Day 7:** **Mock Interviews & Review** (LeetCode Discuss / Peer Coding)

**🔥 Week 3-4: Linked Lists, Stacks & Queues**

* **Day 8-9:** Linked Lists
  + Reverse Linked List
  + Detect Cycle in Linked List
  + Merge Two Sorted Lists
  + Add Two Numbers
* **Day 10-11:** Stacks & Queues
  + Valid Parentheses
  + Min Stack
  + Implement Queue using Stack
  + Sliding Window Maximum
* **Day 12-13:** LRU Cache & Sliding Window
  + LRU Cache
  + Longest Substring with K Distinct Characters
  + Minimum Window Substring
* **Day 14:** **Mock Interview & Weekly Revision**

**🔥 Week 5-6: Recursion, Trees, & BST**

* **Day 15-16:** Trees
  + Binary Tree Level Order Traversal
  + Lowest Common Ancestor
  + Validate Binary Search Tree
* **Day 17-18:** Recursion & Backtracking
  + N-Queens
  + Generate Parentheses
  + Word Search
  + Subsets
* **Day 19-20:** Binary Search Trees
  + Kth Smallest Element in BST
  + Construct Binary Tree from Preorder and Inorder Traversal
* **Day 21:** **Mock Interview & Weekly Revision**

**🔥 Week 7-8: Heaps, Graphs, and Advanced Topics**

* **Day 22-23:** Heaps & Priority Queue
  + Kth Largest Element in an Array
  + Find Median from Data Stream
  + Merge K Sorted Lists
* **Day 24-25:** Graphs (DFS, BFS)
  + Number of Islands
  + Clone Graph
  + Course Schedule (Topological Sort)
* **Day 26-27:** Dijkstra’s Algorithm & Bellman-Ford
  + Cheapest Flights Within K Stops
  + Network Delay Time
* **Day 28:** **Mock Interview & Weekly Revision**

**🔥 Week 9-10: Dynamic Programming (DP) & Bit Manipulation**

* **Day 29-30:** DP Basics
  + Climbing Stairs
  + House Robber
  + Coin Change
* **Day 31-32:** DP Advanced
  + Longest Increasing Subsequence
  + Longest Common Subsequence
  + Edit Distance
* **Day 33-34:** Bit Manipulation
  + Single Number
  + XOR of an Array
  + Power of Two
* **Day 35:** **Mock Interview & Weekly Revision**

**🔥 Week 11-12: System Design & Mock Interviews**

* **Day 36-37:** System Design Basics
  + Load Balancing
  + Database Scaling
  + CAP Theorem
* **Day 38-39:** Review Top 50 LeetCode Problems
* **Day 40-42:** 2 Mock Interviews (Peer Coding or LeetCode Premium)
* **Day 43-44:** FAANG Interview Experience Reviews

**🔥 Final Stretch:**

* **Last 2 weeks:**
  + Revise **Blind 75** problems
  + Take **Mock Interviews** on Pramp or LeetCode Premium
  + **FAANG Interview Guides** (Google interview questions, Amazon Bar Raiser expectations, etc.)

**🔥 Bonus Tips**

✅ **Consistency > Intensity** → Solve **1-2 problems daily**  
✅ **Think Out Loud** → Simulate coding interviews with explanations  
✅ **Optimize Your Code** → Start with brute force, then optimize  
✅ **Mock Interviews** → Do 3+ real interviews before the actual FAANG interview  
✅ **Behavioral Questions** → Prepare **STAR (Situation, Task, Action, Result)**

This roadmap ensures you’re well-prepared for **DSA + System Design + Mock Interviews**. Want a **detailed problem list** with links? 🔥