

## Top 21 LeetCode Hard-Level Questions for MNC Interviews

*"Master these high-level coding problems to crack top MNCs like Google, Amazon, Microsoft and more!"*

### 1. Arrays & Hashing

1. [Maximum Subarray](#)
  2. [Trapping Rain Water](#)
  3. [Median of Two Sorted Arrays](#)
  4. [Subarray Sum Equals K](#)
- 

### 2. Sliding Window

5. [Minimum Window Substring](#)
  6. [Sliding Window Maximum](#)
- 

### 3. Two Pointers

7. [4Sum](#)
  8. [Merge Intervals](#)
- 

### 4. Stack & Monotonic Stack

9. [Largest Rectangle in Histogram](#)
  10. [Maximal Rectangle](#)
- 

### 5. Binary Search & Sorting

11. [Find Median from Data Stream](#)
  12. [Count of Smaller Numbers After Self](#)
- 

### 6. Linked List

13. [Reverse Nodes in k-Group](#)
  14. [Merge k Sorted Lists](#)
- 

### 7. Trees & Graphs

15. [Word Ladder](#)
  16. [Course Schedule](#)
  17. [Critical Connections in a Network](#)
- 

### 8. Dynamic Programming

18. [Edit Distance](#)
  19. [Russian Doll Envelopes](#)
-

## 9. Advanced Topics (Greedy & Bit Manipulation)

20. [Burst Balloons](#)

21. [N-Queens](#)

---

### How to Complete the 21-Day Challenge?

- ✓ Solve 1 problem daily from this list.
- ✓ Post your solution on LinkedIn with an explanation.
- ✓ Tag **@CodeAlpha** in your post to stay accountable.
- ✓ Repeat this for 21 days consistently!

### How to Successfully Complete the Challenge?

- ✓ Day 1 to Day 20 – Solve & post your solution daily.
- ✓ Day 21 (Final Day) – Write a LinkedIn post about:
  - Your journey in this 21-day challenge.
  - What you learned and how it improved your skills.
  - Your next goals after completing this challenge.
- ✓ Tag **@CodeAlpha** in your final post as proof of completion!

### Why Should You Join This Challenge?

- ✓ Build a habit of problem-solving.
- ✓ Improve your DSA skills and coding confidence.
- ✓ Increase your visibility among recruiters on LinkedIn.
- ✓ Become consistent and disciplined in coding.
- ✓ Boost your resume by showing real commitment to learning.

### Pro Tips to Maximize Results:

- 💡 Try to solve each problem without looking at solutions first.
- 💡 Use optimal approaches (Brute Force → Better → Best).
- 💡 Write clean, well-commented code before posting.
- 💡 Engage with others' posts & learn from their approaches.
- 💡 Use platforms like LeetCode, GeeksforGeeks and CodeStudio to validate solutions.

 **Stay consistent, push yourself and make this challenge count! 🔥**

---