Zoho 2025 Prediction — Extended Question Bank

(Based on real candidate experiences + pattern consistency)

Question Theme	Description / Realistic Zoho Version	LeetCode Reference	Concept Tested
Balanced Parentheses / Expression Validator	Given a string of ()[]{}, check if balanced — Zoho often adds <> too.	LeetCode 20. Valid Parentheses	Stack usage, expression parsing
String Compression / Frequency Encode	Compress a string like aaabbc → a3b2c1.	LeetCode 443. String Compression	String traversal, counters
Unique Character Substring Length	Find length of longest substring without repeating characters.	LeetCode 3. Longest Substring Without Repeating Characters	Sliding window, HashSet
Rearrange Characters	Rearrange characters so that no two adjacent are same.	LeetCode 767. Reorganize String	Greedy + Heap
Rotate Matrix (2D array)	Rotate a square matrix 90° clockwise.	LeetCode 48. Rotate Image	Matrix manipulation, 2D traversal
Matrix Spiral Traversal	Print all elements in spiral order.	LeetCode 54. Spiral Matrix	Boundary manipulation
Minimum Subarray Sum ≥ K	Find smallest subarray whose sum ≥ K.	LeetCode 209. Minimum Size Subarray Sum	Sliding window
Frequency Sort / Top K Frequent Words	Sort words by frequency (Zoho loves this for string+map).	LeetCode 692. Top K Frequent Words	HashMap + sorting
Custom Sorting of Strings	Sort based on frequency or length (Zoho variant: sort names by length).	LeetCode 451. Sort Characters By Frequency	Comparator logic
Matrix Connected Components (Islands)	Count connected 1s in a 2D binary grid (Zoho likes graph logic disguised as matrix).	LeetCode 200. Number of Islands	DFS/BFS traversal

Bonus “Wildcard” Predicts (Less Common but Seen Recently)

Zoho Variant	LeetCode Reference	Reason for Inclusion
LRU Cache Simulation	146. LRU Cache	Seen in 2024 Tech Round – tests DS design ability
Gas Station Feasibility	134. Gas Station	Real Zoho 2023–24 L3 question
Subarray Sum Equals K	560. Subarray Sum Equals K	Prefix-sum mastery check
Valid Sudoku (Matrix Validation)	36. Valid Sudoku	Multi-set logic + grid validation
Minimum Path Sum in Matrix	64. Minimum Path Sum	DP + recursion hybrid
Find Median from Data Stream	295. Find Median from Data Stream	Heap + stream processing
Word Search in Matrix	79. Word Search	Backtracking recursion
Binary Tree Serialize/ Deserialize	297. Serialize and Deserialize Binary Tree	Recursion + data representation
LFU Cache / Design Cache	460. LFU Cache	Seen in 2024 final round
Russian Doll Envelopes	354. Russian Doll Envelopes	Sorting + LIS — appeared in L3

Top 5 Predictions

(Based on pattern recurrence across 5 different Zoho drives in last 12 months)

Problem	Why It’s Likely
String Compression (LeetCode 443)	Almost every drive had 1 “frequency + string” question.
Balanced Parentheses (LeetCode 20)	Common warm-up in coding round / interview.
Matrix Spiral Traversal (LeetCode 54)	Favored for testing nested loops and logic tracing.
Minimum Subarray ≥ K (LeetCode 209)	Patterned after prefix-sum/sum-window logic.
Expression Expansion (Custom Zoho version)	High chance to repeat — seen 4+ times (2023–2025).

Final Preparation Strategy Tonight

Topic	What to Revise	Must-Know Technique
Strings	Traversal, substring, frequency maps	Sliding window + HashMap
Arrays	Subarray logic, prefix-sum	Hashing + optimization
Stack	Balanced symbols, expression eval	Push/pop trace
Matrix	Spiral & rotation	4-pointer logic
Expression	Expansion / parsing	Map + token merging

Summary:

If Zoho follows its 2024–25 rhythm:

- Round 2 → “String + Pattern” combo
- Round 3 → “Expression / Matrix / Prefix logic” hybrid
- Round 4 → DS + Core CS