JavaScript DSA interview questions

given javascript 100 top coding questions for interview , i means data structure related

Got it 👍 — You're asking for **100 top JavaScript coding interview questions that are mostly focused on data structures & algorithms** (DSA).

Here's a **curated list**, grouped by topics (Arrays, Strings, Hashing, Linked List, Stack/Queue, Trees, Graphs, Recursion, Sorting, Dynamic Programming, etc.).

🔥 100 JavaScript Coding Interview Questions (Data Structures & Algorithms)

📌 Arrays

1. Find the maximum and minimum in an array.
2. Reverse an array in place.
3. Rotate an array by `k` positions.
4. Find the second largest element in an array.
5. Move all zeros to the end of an array.
6. Find the missing number in an array of `1…n`.
7. Find duplicates in an array.
8. Merge two sorted arrays.
9. Intersection of two arrays.
10. Union of two arrays.
11. Find subarray with a given sum.
12. Maximum subarray sum (Kadane's algorithm).
13. Find majority element (> n/2 times).
14. Sort an array of `0,1,2` (Dutch National Flag problem).
15. Find the pair with a given sum.
16. Find triplets with a given sum.
17. Product of array except self.
18. Next greater element for each element.
19. Minimum swaps to sort an array.
20. Longest consecutive sequence.

📌 Strings

21. Reverse a string.
22. Check if a string is a palindrome.
23. Find the first non-repeating character.
24. Check if two strings are anagrams.
25. Longest substring without repeating characters.
26. Longest palindrome substring.
27. Count vowels and consonants.
28. Implement strstr() / indexOf().
29. Check if a string is a rotation of another.
30. Group anagrams together.
31. Check if a string is a valid palindrome ignoring non-alphanumeric.
32. Longest common prefix.
33. String compression (e.g., `"aaabb" → "a3b2"`).
34. Minimum window substring.
35. Generate all permutations of a string.

📌 Hashing / Maps / Sets

36. Two sum problem.
37. Subarray with zero sum.
38. Count frequency of elements in an array.
39. Find first repeated element.
40. Find all pairs with given difference.
41. Check if two arrays are equal.
42. Longest subarray with equal 0s and 1s.
43. Find common elements in three sorted arrays.
44. Largest subarray with sum k.
45. Find elements appearing more than n/3 times.

📌 Linked List

46. Reverse a linked list.
47. Detect cycle in linked list.
48. Find the middle node of a linked list.

49. Merge two sorted linked lists.
50. Remove nth node from end.
51. Palindrome linked list.
52. Intersection point of two linked lists.
53. Add two numbers (linked list representation).
54. Flatten a linked list.
55. Sort a linked list.

📌 Stack & Queue

56. Implement stack using array.
57. Implement queue using array.
58. Implement stack using two queues.
59. Implement queue using two stacks.
60. Next greater element using stack.
61. Valid parentheses problem.
62. Min stack implementation.
63. Largest rectangle in histogram.
64. Sliding window maximum.
65. Circular queue implementation.

📌 Trees (Binary Tree / BST)

66. Inorder, preorder, postorder traversal.
67. Level order traversal (BFS).
68. Height of a binary tree.
69. Count leaf nodes.
70. Check if two trees are identical.
71. Lowest common ancestor (LCA).
72. Diameter of a binary tree.
73. Check if a binary tree is balanced.
74. Convert sorted array to BST.
75. Serialize and deserialize a binary tree.
76. Maximum path sum in a binary tree.
77. Validate binary search tree (BST).
78. Kth smallest element in BST.

79. Vertical order traversal.
80. Boundary traversal of binary tree.

📌 Graphs

81. Represent graph (adjacency list & matrix).
82. Depth-first search (DFS).
83. Breadth-first search (BFS).
84. Detect cycle in an undirected graph.
85. Detect cycle in a directed graph.
86. Topological sort.
87. Dijkstra's shortest path.
88. Bellman-Ford algorithm.
89. Floyd-Warshall algorithm.
90. Minimum spanning tree (Prim's & Kruskal's).
91. Word ladder problem.
92. Clone a graph.
93. Number of islands problem.
94. Rotten oranges problem.

📌 Recursion & Backtracking

95. Factorial using recursion.
96. Fibonacci sequence (recursive + DP).
97. N-Queens problem.
98. Rat in a maze problem.
99. Word search in a grid.
100. Generate all subsets / power set.

⚡ These are **the most common 100 coding questions** you'll face in **JavaScript interviews (for DSA/FAANG/Top Tech roles)**.

👉 Do you want me to **make a PDF with questions + solutions in JavaScript** so you can use it as a practice guide?