## DS 100 Problem → Jhankar Mahbub

## Array

- 1. <u>Contains Duplicate LeetCode</u>
- 2. Find Numbers with Even Number of Digits LeetCode
- 3. Running Sum of 1d Array LeetCode
- 4. Remove Duplicates from Sorted Array LeetCode
- 5. Rotate Array LeetCode
- 6. Longest Common Prefix LeetCode
- 7. Minimum Number of Operations to Move All Balls to Each Box LeetCode
- 8. Partition Array According to Given Pivot LeetCode
- 9. Find the Prefix Common Array of Two Arrays LeetCode
- 10. Convert an Array Into a 2D Array With Conditions LeetCode

## String

- 1. Defanging an IP Address LeetCode
- 2. Goal Parser Interpretation LeetCode
- 3. Reverse String LeetCode
- 4. Valid Palindrome LeetCode
- 5. <u>Length of Last Word LeetCode</u>
- 6. Reverse Words in a String LeetCode
- 7. Reverse Words in a String III LeetCode
- 8. To Lower Case LeetCode
- 9. Most Common Word LeetCode
- 10. <u>Backspace String Compare LeetCode</u>

#### Stack

- Valid Parentheses LeetCode
- 2. Min Stack LeetCode
- 3. <u>Implement Stack using Queues LeetCode</u>
- 4. Daily Temperatures LeetCode
- 5. Next Greater Element I LeetCode
- 6. Simplify Path LeetCode
- 7. Asteroid Collision LeetCode
- 8. <u>Build an Array With Stack Operations LeetCode</u>
- 9. Minimum Number of Swaps to Make the String Balanced LeetCode
- 10. Removing Stars From a String LeetCode

## Queue

- 1. Time Needed to Buy Tickets LeetCode
- 2. First Unique Character in a String LeetCode
- 3. Number of Students Unable to Eat Lunch LeetCode
- 4. Implement Queue using Stacks LeetCode
- 5. <u>Design Circular Queue LeetCode</u>
- 6. Number of Recent Calls LeetCode
- 7. Reveal Cards In Increasing Order LeetCode
- 8. Find the Winner of the Circular Game LeetCode
- 9. <u>Continuous Subarrays LeetCode</u>
- 10. Design Front Middle Back Queue LeetCode

### Linked List

- 1. Reverse Linked List LeetCode
- 2. Merge Two Sorted Lists LeetCode
- Linked List Cycle LeetCode
- 4. Remove Nth Node From End of List LeetCode
- 5. Add Two Numbers LeetCode
- 6. Palindrome Linked List LeetCode
- 7. Middle of the Linked List LeetCode
- 8. Remove Duplicates from Sorted List LeetCode
- 9. Intersection of Two Linked Lists LeetCode
- 10. <u>Design Linked List LeetCode</u>

#### Hash Table

- 1. Roman to Integer LeetCode
- 2. Group Anagrams LeetCode
- 3. Linked List Cycle LeetCode
- 4. Intersection of Two Linked Lists LeetCode
- 5. Word Pattern LeetCode
- 6. First Unique Character in a String LeetCode
- 7. Next Greater Element I LeetCode
- 8. Design HashMap LeetCode
- 9. Find Common Characters LeetCode
- Longest Arithmetic Subsequence LeetCode

#### Tree

- 1. Binary Tree Inorder Traversal LeetCode
- 2. Maximum Depth of Binary Tree LeetCode
- 3. Same Tree LeetCode
- 4. Lowest Common Ancestor of a Binary Search Tree LeetCode
- 5. Balanced Binary Tree LeetCode
- 6. Invert Binary Tree LeetCode
- 7. Diameter of Binary Tree LeetCode
- 8. Symmetric Tree LeetCode
- 9. <u>Binary Tree Level Order Traversal LeetCode</u>
- 10. <u>Count Complete Tree Nodes LeetCode</u>

## Graph

- 1. Keys and Rooms LeetCode
- 2. Number of Closed Islands LeetCode
- 3. Maximum Number of Fish in a Grid LeetCode
- 4. Island Perimeter LeetCode
- 5. Network Delay Time LeetCode
- 6. Number of Enclaves LeetCode
- 7. Climbing Stairs LeetCode
- 8. N-th Tribonacci Number LeetCode
- 9. Min Cost Climbing Stairs LeetCode
- 10. House Robber LeetCode

# Priority Queue

- 1. Kth Largest Element in an Array LeetCode
- 2. Relative Ranks LeetCode
- 3. Find K Closest Elements LeetCode
- 4. Top K Frequent Elements LeetCode
- 5. Kth Smallest Element in a Sorted Matrix LeetCode
- 6. Kth Largest Element in a Stream LeetCode
- 7. Maximum Product of Two Elements in an Array LeetCode
- 8. <u>Largest Number After Digit Swaps by Parity LeetCode</u>
- 9. Minimum Amount of Time to Fill Cups LeetCode
- 10. Make Array Zero by Subtracting Equal Amounts LeetCode

## Tree Others

- 1. Convert Sorted Array to Binary Search Tree LeetCode
- 2. Minimum Absolute Difference in BST LeetCode
- 3. <u>Search in a Binary Search Tree LeetCode</u>
- 4. Increasing Order Search Tree LeetCode
- 5. Range Sum of BST LeetCode
- 6. Binary Tree Right Side View LeetCode
- 7. Construct String from Binary Tree LeetCode
- 8. Add One Row to Tree LeetCode
- 9. Leaf-Similar Trees LeetCode
- 10. <u>Univalued Binary Tree LeetCode</u>