HASHING SDE SHEET (RIDDHI DUTTA)

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DISCLAIMER - The problems have been sorted based on relevance and difficulty. Similar problems are grouped together. Also , before starting with hashing , it's good to know concepts of prefix sum and sliding window. If you don't , no need to worry. You will get to know these concepts while solving the below problems.

Problems using HASHMAP

- LeetCode Two Sum problem (Array is not sorted in this problem. If sorted , use Two Pointer Approach. So clarify whether the array is sorted or not from the interviewer)
- 2. LeetCode 18. 4Sum
- 3. Count distinct elements in every window | Practice | GeeksforGeeks
- 4. Pairs of Positive Negative values in an array
- Maximum Size Subarray Sum Equals k (VVI) (Please note that in this problem, the
 array can contain negative numbers. Hence you have to use Hashmap. If the array had
 contained ONLY positive numbers, you could have used a Two Pointer Approach and
 saved extra space. So clarify this from the Interviewer)
- 6. Leetcode 560 Subarray Sum Equals K
- 7. 525. Contiguous Array
- 8. 974. Subarray Sums Divisible by K
- 9. 451 Sort Characters By Frequency
- 10. Leetcode #438 Find All Anagrams in a String
- 11. 424. Longest Repeating Character Replacement
- 12. 3. Longest Substring Without Repeating Characters
- 13. Longest Substring with At Most K Distinct Characters
- 14. 957. Prison Cells After N Days
- 15. [LeetCode] 146. LRU Cache (VVVVVVI)
- 16. <u>Leetcode-Insert Delete GetRandom O(1)</u>

- 17. Leetcode: Circular Array Loop (Read this article to understand my optimised approach.)
- 18. 981. Time Based Key-Value Store
- 19. Palindrome Pairs
- 20. https://leetcode.com/problems/number-of-matching-subsequences/

Problems using HASHSET

- 1. 414. Third Maximum Number
- 2. Count subsets having distinct even numbers
- 3. Longest Consecutive Sequence (VVI)