Interview

Preparation

Part-2

Topic-ARRAY

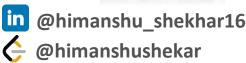
All detailed revision of array which consists of topic wise revisions and solving problems recently asked in interviews-

Just simplified my experience here...

Hope it goona help you all...

Save this pdf and thanks me later





Previously asked problems



Exceptionally odd Maximum Sub Array ♣ Longest subarray with sum divisible by K Find all pairs with a given sum Count Odd Even - Java Remove duplicates in small prime array ♣ Find Number of Numbers Pascal Triangle ♣ IPL 2021 - Match Day 2 Nearly sorted Adding Array Elements Overlapping Intervals **♣** Immediate Smaller Element Count the Specials Find missing in second array ♣ Consecutive 1's not allowed Left most and right most index

ArrayList Operation

First and last occurrences of X Facing the sun Matrix Interchange - Java Binary Search in forest Maximum subset XOR Count Smaller elements Count Smaller elements **♣** Sum of elements between k1'th and k2'th smallest elements Find the smallest and second smallest element in an array Maximize Number of 1's Play with an array Min sum formed by digits Sort by Absolute Difference Equilibrium index of an array Remove all duplicates from a given string ♣ Need Some Change - Java Index of first 1 in a sorted array of 0s and 1s Searching in an array where adjacent differ by at most k

♣ Smallest range in K lists **♣** Smaller on Left Maximum Difference ♣ Count pairs in array divisible by K Rotating an Array Max sum subarray by removing at most one element ♣ Total count ♣ Merge two binary Max heaps Rearrange Geek and his Classmates Coin Piles ♣ Valid Pair Sum ♣ Minimum steps to make product equal to one ♣ Sum of Middle Elements of two sorted arrays ♣ Even and Odd Count the Specials - Java ♣ Pairs with specific difference

Smaller and Larger

♣ Container With Most Water ♣ Predict the Column - Java Swap and Maximize At least two greater elements Perfect Arrays ♣ Java 1-d and 2-d Array ♣ Print the left element Count the subarrays having product less than k ♣ Maximum product subset of an array Counts Zeros Xor Pairs Maximum Index ♣ Smallest Absolute Difference Reaching the heights Minimum operations to convert array A to B Dynamic Programming Operations on ArrayList ♣ Smallest Subset with Greater Sum Arranging the array

♣ Numbers containing 1, 2 and 3 ♣ Minimum X (xor) A Quick Left Rotation ♣ Number of minimum picks to get 'k' pairs of socks from a drawer ♣ Equal Sum ♣ Pair with given sum in a sorted array ♣ Maximum product of two numbers Maximum average subarray ♣ k sorted array Sum Array Puzzle You and your books Maximize The Array Fascinating Number Triplet Family Reorganize The Array Sum of Subarrays Greater on right side ♣ Maximum GCD of siblings of a binary tree

4	Nth item through sum
4	Farthest number
4	Equivalent Sub-Arrays
4	Average in a stream
4	Length Unsorted Subarray
4	Subarrays with given sum
4	Four Elements
4	Product Pair
4	Count pair sum
4	Capacity To Ship Packages Within D Days
4	Number of subsets with product less than k
4	Maximum value of difference of a pair of elements and their Index
4	Maximum Product of Increasing Subsequence of Size 3
4	Missing number
4	Magical Number
4	Compete the skills
4	Find distinct elements
4	Coins of Geekland

♣ Segregate Even and Odd numbers Three Great Candidates ♣ Smallest greater elements in whole array Permutations in array Integer to Words ♣ Save Ironman ♣ Nearest multiple of 10 Number of pairs ♣ Sum Pair closest to X Queries for counts of multiples in an array Mountain Subarray Problem ♣ Longest Arithmetic Progression Adding Ones Maximum Tip Calculator ♣ Count divisors of product of array elements Find element occuring once when all other are present thrice **4** Ruling Pair Count of distinct substrings

Maximum repeating number ♣ Maximum sum of increasing order elements from n arrays Mean of range in array ♣ Minimum increment/decrement to make array non-Increasing ♣ Buy and Sell a Share at most twice ♣ Nth number made of prime digits Alternative Sorting Sort in specific order **Lase the Array** Hungry Pizza Lovers Magnet Array Problem Missing element of AP Shuffle integers Sum equals to Sum Professor and Parties ♣ Distribute N candies among K people ♣ Largest product Sum of two numbers represented as arrays

4	Find Maximum value
4	Equal point in a string of brackets
4	Minimum Sum of Absolute Differences of Pairs
4	Convert an array to reduced form
4	Sub-Array sum divisible by K
4	Save Gotham!
4	Not a subset sum
4	K-th Largest Sum Contiguous Subarray
4	Count the number of subarrays
4	Rotate a 2D array without using extra space
4	Next Smallest Palindrome
4	Does array represent Heap
4	Check arithmetic Progression
4	C++ 2-D Arrays Set-1
4	String Manipulation
4	Check if array contains contiguous integers with duplicates allowed

Rearrange the array

♣ Jumping Caterpillars

Feel Free to connect with me –	
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↓ Word with maximum frequency

Design a tiny URL or URL shortener

Array Removals

Max sum in sub-arrays

♣ Minimum Difference among K