Problem solving using Data Structures and Algorithms - Interview Preparation

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11011	Arrays
	Implementtion of Linear search
	<u>Implementation of Binary search</u>
	Find a pair in an array whose sum is equal to given number
	Find a pair in an array whose sum is equal to given number (Hash Approach).
	<u>Implementation to print all pairs in an array whose sum is X</u>
丛	Find a pair whose sum is X (Hash approach)
L	Find a pair whose sum is x
L	Find a pair whose sum is x Java code
	Finding majority element approach-1 using linera search
	Moore voting algorthim
N.	Moore Voting Algorithm
	Implementation of finding the majority element in the given array.
	Find the maximum difference between two elements in an array such that larger element appears after the smaller number (Approach-1)
	Find the max difference in an array so that the larger element has higher index than smaller element Approach-2
	Find the maximum difference between two elements in an array such that larger element appears after the smaller number (Approach-3)
	Implementation of maximum difference b/w two elements in an array such that larger element has higher index than smaller element
W	Find the maximum difference between two elements such that larger element appears after the smaller element
	Find the number occurring odd number of times in a given array of size 'n'
N.	Find the number occurring odd number of times in a given array of size 'n'
	Implementation of finding the number occurring odd number of times in given array.
	Separate 0's and 1's in an array (Approach-1).
	Separate 0's and 1's in an array (Approach-2).
	Implementation of separate 0's and 1's in an array.
区	Separate 0's and 1's in an array
	Given an array A, Find two elements whose sum is closest to zero

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- Find the subarray with given sum'x'
- Find the sub array with given sum zero (Approach-3).
- Find the sub array with given sum zero
- Find the largest sub array with equal number of 0's and 1's
- Find the largest sub array with equal number of 0's and 1's (Approach 2).
- https://www.mplementation.com/find the largest subarray with equal number of 0's and 1's
- Find the largest sub array with equal number of 0's and 1's
- Product of array without using division operator
- Product of array without using division operator
- Implementation of product of all elements in the given array except arr[i] without using division operator
- Sort nearly sorted array using insertion sort
- Sort nearly sorted array using insertion sort
- Find a triplet in given array that sum to given value 'x'
- Find the duplicate in o(n) time and o(1) extra space
- Implementation of find the duplicate in o(n) time and o(1) extra space

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