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		Questions by Love Babbar:	
		Youtube Channel: <a href="https://www.youtube.com/channel/UCQHLx5BfRidkxJF0moTpw">https://www.youtube.com/channel/UCQHLx5BfRidkxJF0moTpw</a>	
Topic:	Problem:	Done [yes or no]	
Array	Reverse the array		
Array	Find the maximum and minimum element in an array		
Array	Find the Kth max and n in element of an array		
Array	Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo		
Array	Move all the negative elements to one side of the array		
Array	Find the Union and Intersection of the two sorted arrays.		
Array	Write a program to cyclically rotate an array by one.		
Array	Find Largest sum contiguous Subarray [V, IMP]		
Array	Minimise the maximum difference between heights [V IMP]		
Array	Minimum no. of Jumps to reach end of an array		
Array	Find duplicate in an array of N+1 integers		
Array	Merge 2 sorted arrays without using Extra space.		
Array	Kadane's Algo [V,V,V,V IMP]		
Array	Merge Intervals		
Array	Next Permutation		
Array	Count Inversion		
Array	Best time to buy and Sell stock		
Array	Find all pairs on integer array whose sum is equal to given number		
Array	Find common elements in 3 sorted arrays		
Array	Rearrange the array in alternating positive and negative items with O(1) extra space		
Array	Find if there is any subarray with sum equal to 0		
Array	Find factorial of a large number		
Array	find maximum product subarray		
Array	Find longest consecutive subsequence		
Array	Given an array of size n and a number k, fin all elements that appear more than " n/k " times.		
Array	Find Longest Repeating Subsequence in String		
Array	Find whether an array is a subset of another array		
Array	Find the triplet that sum to a given value		
Array	Trapping Rain water problem		
Array	Chocolate Distribution problem		
Array	Smallest Subarray with sum greater than a given value		
Array	Three way partitioning of an array around a given value		
Array	Minimum swaps required bring elements less equal K together		
Array	Minimum no. of operations required to make an array palindrome		
Array	Median of 2 sorted arrays of equal size		
Array	Median of 2 sorted arrays of different size		
Matrix	Spiral traversal on a Matrix		
Matrix	Search an element in a matrix		
Matrix	Find median in a row wise sorted matrix		
Matrix	Find row with maximum no. of 1's		
Matrix	Print elements in sorted order using row-column wise sorted matrix		
Matrix	Maximum size rectangle		
Matrix	Find a specific pair in matrix		
Matrix	Rotate matrix by 90 degrees		
Matrix	Kth smallest element in a row-cumm wise sorted matrix		
Matrix	Common elements in all rows of a given matrix		
String	Reverse a String		
String	Check whether a String is Palindrome or not		
String	Find Duplicate characters in a string		
String	Why strings are immutable in Java?		
String	Write a Code to check whether one string is a rotation of another		
String	Write a Program to check whether a string is a valid shuffle of two strings or not		
String	Count and Say problem		
String	Write a program to find the longest Palindrome in a string [ Longest palindromic Substring]		
String	Find Longest Repeating Subsequence in String		
String	Print all Subsequences of a string		
String	Print all the permutations of the given string		
String	Split the Binary string into two substrng with equal 0's and 1's		
String	Word Wrap Problem [VERY IMP].		
String	EDIT Distance [Very Imp]		
String	Find next greater number with same set of digits. [Very IMP]		
String	Balanced Parenthesis problem [Imp]		
String	Word Break Problem [ Very Imp]		
String	Rabin Karp Algo		
String	KMP Algo		
String	Convert a Sentence into its equivalent mobile numeric keypad sequence.		
String	Minimum number of bracket reversals needed to make an expression balanced.		
String	Count All Palindromic Subsequence in a given String.		
String	Count of number of given string in 2D character array		
String	Search a Word in a 2D Grid of characters.		
String	Boyer Moore Algorithm for Pattern Searching.		
String	Converting Roman Numerals to Decimal		
String	Longest Common Prefix		
String	Number of flips to make binary string alternate		
String	Find the first repeated word in string.		
String	Minimum number of swaps for bracket balancing.		
String	Find the longest common subsequence between two strings.		
String	Program to generate all possible valid IP addresses from given string.		
String	Write a program to find the smallest window that contains all characters of string itself.		
String	Rearrange characters in a string such that no two adjacent are same		
String	Minimum characters to be added at front to make string palindrome		
String	Given a sequence of words, print all anagrams together		
String	Find the smallest window in a string containing all characters of another string		
String	Recursively remove all adjacent duplicates		
String	String matching where one string contains wildcard characters		
String	Function to find Number of customers who could not get a counter		
String	Transform one String to Another using Minimum Number of Given Operation		
String	Check if two given strings are isomorphic to each other		
String	Recursively print all sentences that can be formed from list of word lists		
Searching & Sorting	Find first and last positions of an element in a sorted array		
Searching & Sorting	Find a Fixed Point (Value equal to index) in a given array		
Searching & Sorting	Search in a rotated sorted array		
Searching & Sorting	square root of an integer		
Searching & Sorting	Maximum and minimum of an array using minimum number of comparisons		
Searching & Sorting	Optimum location of point to minimize total distance		
Searching & Sorting	Find the repeating and the missing		
Searching & Sorting	find majority element		
Searching & Sorting	Searching in an array where adjacent differ by at most k		
Searching & Sorting	find a pair with a given difference		
Searching & Sorting	find four elements that sum to a given value		
Searching & Sorting	maximum sum such that no 2 elements are adjacent		
Searching & Sorting	Count triplet with sum smaller than a given value		
Searching & Sorting	merge 2 sorted arrays		
Searching & Sorting	print all subarrays with 0 sum		
Searching & Sorting	Product array Puzzle		
Searching & Sorting	Sort array according to count of set bits		
Searching & Sorting	minimum no. of swaps required to sort the array		
Searching & Sorting	Bishu and Soldiers		
Searching & Sorting	Rasta and Kheshtak		
Searching & Sorting	Kth smallest number again		
Searching & Sorting	Find pivot element in a sorted array		
Searching & Sorting	K-th Element of Two Sorted Arrays		
Searching & Sorting	Aggressive cows		
Searching & Sorting	Book Allocation Problem		
Searching & Sorting	EKOSPOJ.		
Searching & Sorting	Job Scheduling Algo		
Searching & Sorting	Missing Number in AP		
Searching & Sorting	Smallest number with atleastn trailing zeroes infactorial		
Searching & Sorting	Painters Partition Problem.		
Searching & Sorting	ROT13Prta SPOJ		
Searching & Sorting	DoubleHelix SPOJ		
Searching & Sorting	Subset Sums		
Searching & Sorting	Findthe inversion count		
Searching & Sorting	Implement Merge-sort in-place		
Searching & Sorting	Partitioning and Sorting Arrays with Many Repeated Entries		
LinkedList	Write a Program to reverse the Linked List. (Both Iterative and recursive)		
LinkedList	Reverse a Linked List in group of Given Size. [Very Imp]		
LinkedList	Write a program to Detect loop in a linked list.		
LinkedList	Write a program to Delete loop in a linked list.		
LinkedList	Find the starting point of the loop.		
LinkedList	Remove Duplicates in a sorted Linked List		
LinkedList	Remove Duplicates in a Un-sorted Linked List		
LinkedList	Write a Program to Move the last element to Front in a Linked List.		
LinkedList	Add "1" to a number represented as a Linked List.		
LinkedList	Add two numbers represented by linked lists.		
LinkedList	Intersection of two Sorted Linked List.		
LinkedList	Intersection Point of two Linked Lists		
LinkedList	Merge Sort For Linked lists [Very Important]		
LinkedList	Quicksort for Linked Lists [Very Important]		
LinkedList	Find the middle Element of a linked list.		
LinkedList	Check if a linked list is a circular linked list.		
LinkedList	Split a Circular linked list into two halves.		
LinkedList	Write a Program to check whether the Singly Linked list is a palindrome or not.		
LinkedList	Deletion from a Circular Linked List.		
LinkedList	Reverse a Doubly linked list.		
LinkedList	Find pairs with a given sum in a D.L.L.		
LinkedList	Count triplets in a sorted D.L.L whose sum is equal to given value "X".		
LinkedList	Sort a "k"sorted Doubly Linked list [Very IMP]		
LinkedList	Rotate DoublyLinked list by N nodes.		
LinkedList	Rotate a Doubly Linked list in group of Given Size [Very IMP]		
LinkedList	Can we reverse a linked list in less than O(n) ?		
LinkedList	Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ?		
LinkedList	Flatten a Linked list		
LinkedList	Sort a LL of 0's, 1's and 2's		
LinkedList	Clone a linked list with next and random pointer		
LinkedList	Merge K sorted Linked list		
LinkedList	Multiply 2 no. represented by LL		
LinkedList	Delete nodes which have a greater value on right side		
LinkedList	Segregate even and odd nodes in a Linked List		
LinkedList	Program for n'th node from the end of a Linked List		
LinkedList	Find the first non-repeating character from a stream of characters		
Binary Trees	level order traversal		
Binary Trees	Reverse Level Order traversal		
Binary Trees	Height of a tree		
Binary Trees	Diameter of a tree		
Binary Trees	Mirror of a tree		
Binary Trees	Inorder Traversal of a tree both using recursion and Iteration		
Binary Trees	Preorder Traversal of a tree both using recursion and Iteration		
Binary Trees	Postorder Traversal of a tree both using recursion and Iteration		
Binary Trees	Left View of a tree		
Binary Trees	Right View of Tree		
Binary Trees	Top View of a tree		
Binary Trees	Bottom View of a tree		
Binary Trees	Zig-Zag traversal of a binary tree		
Binary Trees	Check if a tree is balanced or not		
Binary Trees	Diagnol Traversal of a Binary tree		
Binary Trees	Boundary traversal of a Binary tree		
Binary Trees	Construct Binary Tree from String with Bracket Representation		
Binary Trees	Construct Binary tree into Doubly Linked List		
Binary Trees	Convert Binary tree into Sum tree		
Binary Trees	Construct Binary tree from Inorder and preorder traversal		
Binary Trees	Find minimum swaps required to convert a Binary tree into BST		
Binary Trees	Check if Binary tree is Sum tree or not		
Binary Trees	Check if all leaf nodes are at same level or not		
Binary Trees	Check if a Binary Tree contains duplicate subtrees of size 2 or more [ IMP ]		
Binary Trees	Check if 2 trees are mirror or not		
Binary Trees	Sum of Nodes on the longest path from root to leaf node		
Binary Trees	Check if given graph is tree or not. [ IMP ]		
Binary Trees	Find Largest subtree sum in a tree		
Binary Trees	Maximum Sum of nodes in Binary tree such that no two are adjacent		
Binary Trees	Print all "K" Sum paths in a Binary tree		
Binary Trees	Find LCA in a Binary tree		
Binary Trees	Find distance between 2 nodes in a Binary tree		
Binary Trees	Kth Ancestor of node in a Binary tree		
Binary Trees	Find all Duplicate subtrees in a Binary tree [ IMP ]		
Binary Trees	Tree Isomorphism Problem		
Binary Search Trees	Find a value in a BST		
Binary Search Trees	Deletion of a node in a BST		
Binary Search Trees	Find min and max value in a BST		
Binary Search Trees	Find inorder successor and inorder predecessor in a BST		
Binary Search Trees	Check if a tree is a BST or not		
Binary Search Trees	Populate Inorder successor of all nodes		
Binary Search Trees	Find LCA of 2 nodes in a BST		
Binary Search Trees	Construct BST from preorder traversal		
Binary Search Trees	Convert Binary tree into BST		
Binary Search Trees	Convert a normal BST into a Balanced BST		
Binary Search Trees	Merge two BST [ V,V,V+IMP ]		
Binary Search Trees	Find Kth largest element in a BST		
Binary Search Trees	Find Kth smallest element in a BST		
Binary Search Trees	Count pairs from 2 BST whose sum is equal to given value "X"		
Binary Search Trees	Find the median of BST in O(n) time and O(1) space		
Binary Search Trees	Count BST nodes that lie in a given range		
Binary Search Trees	Remove every element with the least greater element on its right		
Binary Search Trees	Given "n" appointments, find the conflicting appointments		
Binary Search Trees	Check preorder is valid or not		
Binary Search Trees	Check whether BST contains Dead end		
Binary Search Trees	Largest BST in a Binary Tree [ V,V,V,V IMP ]		
Binary Search Trees	Flatten BST to sorted list		
Greedy	Activity Selection Problem		
Greedy	Job Sequencing Problem		
Greedy	Huffman Coding		
Greedy	Water Connection Problem		
Greedy	Fractional Knapsack Problem		
Greedy	Greedy Algorithm to find Minimum number of Coins		
Greedy	Maximum trains for which stoppage can be provided		
Greedy	Minimum Platforms Problem		
Greedy	Buy Maximum Stocks if i stocks can be bought on i-th day		
Greedy	Find the minimum and maximum amount to buy all N candies		
Greedy	Minimize Cash Flow among a given set of friends who have borrowed money from each other		
Greedy	Minimum cost to cut a board into squares		
Greedy	Check if it is possible to survive on island		
Greedy	Find maximum meetings in one room		
Greedy	Maximum product subset of an array		
Greedy	Maximize array sum after K negations		
Greedy	Maximize the sum of arr[i]*i		
Greedy	Maximum sum of absolute difference of an array		
Greedy	Maximize sum of consecutive differences in a circular array		
Greedy	Minimum sum of Absolute difference of pairs of two arrays		
Greedy	Program for Shortest Job First (or S-JF) CPU Scheduling		
Greedy	Program for Least Recently Used (LRU) Page Replacement algorithm		
Greedy	Smallest subset with sum greater than all other elements		
Greedy	Chocolate Distribution Problem		
Greedy	DEFKIN -Defense of a Kingdom		
Greedy	DIEHARD -DIE HARD		
Greedy	GERGOVIA -Wine trading in Gergovia		
Greedy	Picking Up Chicks		
Greedy	CHOCOLA -Chocolate		
Greedy	ARRANGE -Arranging Amplifiers		
Greedy	K Centers Problem		
Greedy	Minimum Cost of ropes		
Greedy	Find smallest number with given number of digits and sum of digits		
Greedy	Rearrange characters in a string such that no two adjacent are same		
Greedy	Find maximum sum possible equal sum of three stacks		
BackTracking	Rat in a maze Problem		
BackTracking	Printing all solutions in N-Queen Problem		
BackTracking	Word Break Problem using Backtracking		
BackTracking	Remove Invalid Parentheses		
BackTracking	Sudoku Solver		
BackTracking	m Coloring Problem		
BackTracking	Print all palindromic partitions of a string		
BackTracking	Subset Sum Problem		
BackTracking	The Knight's tour problem		
BackTracking	Tug of War		
BackTracking	Find shortest safe route in a path with landmines		
BackTracking	Combination Sum		
BackTracking	Find Maximum number possible by doing at-most K swaps		
BackTracking	Find if there is a path of more than k length from a source		
BackTracking	Longest Possible Route in a Matrix with Hurdles		
BackTracking	Print all possible paths from top left to bottom right of a mXn matrix		
BackTracking	Partition of a set intoK subsets with equal sum		
BackTracking	Find the K-th Permutation Sequence of first N natural numbers		
Stacks & Queues	Implement Stack from Scratch		
Stacks & Queues	Implement Queue from Scratch		
Stacks & Queues	Implement 2 stack in an array		
Stacks & Queues	find the middle element of a stack		
Stacks & Queues	Implement "N" stacks in an Array		
Stacks & Queues	Check the expression has valid or Balanced parenthesis or not.		
Stacks & Queues	Reverse a String using Stack		
Stacks & Queues	Design a Stack that supports getMin() in O(1) time and O(1) extra space.		
Stacks & Queues	Find the Next Greater element		
Stacks & Queues	The celebrity Problem		
Stacks & Queues	Arithmetic Expression evaluation		
Stacks & Queues	Evaluation of Postfix expression		
Stacks & Queues	Implement a method to insert an element at its bottom without using any other data structure.		
Stacks & Queues	Reverse a stack using recursion		
Stacks & Queues	Sort a Stack using recursion		
Stacks & Queues	Merge Overlapping Intervals		
Stacks & Queues	Largest rectangular Area in Histogram		
Stacks & Queues	Length of the Longest Valid Substring		
Stacks & Queues	Expression contains redundant bracket or not		
Stacks & Queues	Implement Stack using Queue		
Stacks & Queues	Implement Stack using Deque		
Stacks & Queues	Stack Permutations (Check if an array is stack permutation of other)		
Stacks & Queues	Implement Queue using Stack		
Stacks & Queues	Implement "n" queue in an array		
Stacks & Queues	Implement a Circular queue		
Stacks & Queues	L-RU Cache Implementation		
Stacks & Queues	Reverse a Queue using recursion		
Stacks & Queues	Reverse the first "K" elements of a queue		
Stacks & Queues	Interleave the first half of the queue with second half		
Stacks & Queues	Find the first circular tour that visits all Petrol Pumps		
Stacks & Queues	Minimum time required to rot all oranges		
Stacks & Queues	Distance of nearest cell having 1 in a binary matrix		
Stacks & Queues	First negative integer in every window of size "K"		
Stacks & Queues	Check if all levels of two trees are anagrams or not.		
Stacks & Queues	Sum of minimum and maximum elements of all subarrays of size "k".		
Stacks & Queues	Minimum sum of squares of repeating counts in a given string after removing "k" characters.		
Stacks & Queues	Queue based approach or first non-repeating character in a stream.		
Stacks & Queues	Next Smaller Element		
Heap	Implement a MaxHeap/MinHeap using arrays and recursion.		
Heap	Sort an Array using heap. (HeapSort)		
Heap	Maximum of all subarrays of size k.		
Heap	"K" largest element in an array		
Heap	Kth smallest and largest element in an unsorted array		
Heap	Merge "K" sorted arrays. [ IMP ]		
Heap	Merge 2 Binary Max Heaps		
Heap	Kth largest sum continuous subarrays		
Heap	Leetcode- reorganize strings		
Heap	Merge "K" Sorted Linked Lists [V IMP]		
Heap	Smallest range in "K" Lists		
Heap	Median in a stream of Integers		
Heap	Connect "n" ropes with minimum cost		
Heap	Convert BST to Min Heap		
Heap	Convert min heap to max heap		
Heap	Rearrange characters in a string such that no two adjacent are same.		
Heap	Minimum sum of two numbers formed from digits of an array		
Graph	Create a Graph. print it		
Graph	Implement BFS algorithm		
Graph	Implement DFS Algo		
Graph	Detect Cycle in Directed Graph using BFS/DFS Algo		
Graph	Search in a Maze		
Graph	Minimum Step by Knight		
Graph	flood fill algo		
Graph	Clone a graph		
Graph	Making wired Connections		
Graph	word Ladder		
Graph	Dijkstra algo		
Graph	Implement Topological Sort		
Graph	Minimum time taken by each job to be completed given by a Directed Acyclic Graph		
Graph	Find whether it is possible to finish all tasks or not from given dependencies		
Graph	Find the no. of Islands		
Graph	Given a sorted Dictionary of an Alien Language, find order of characters		
Graph	Implement Kruskal's Algorithm		
Graph	Implement Prim's Algorithm		
Graph	Total no. of Spanning tree in a graph		
Graph	Implement Bellman-Ford Algorithm		
Graph	Implement Floyd warshall Algorithm		
Graph	Travelling Salesman Problem		
Graph	Graph Colouring Problem		
Graph	Snake and Ladders Problem		
Graph	Find bridge in a graph		
Graph	Count Strongly connected Components (Kosaraju Algo)		
Graph	Check whether a graph is Bipartite Or Not		
Graph	Detect Negative cycle in a graph		
Graph	Longest path in a Directed Acyclic Graph		
Graph	Journey to the Moon		
Graph	Cheapest Flights Within K Stops		
Graph	Oliver and the Game		
Graph	Water Jug problem using BFS		
Graph	Water Jug problem using DFS		
Graph	Find if there is a path of more thank length from a source		
Graph	M-Colouring Problem		
Graph	Paths to travel each nodes using each edge (Seven Bridges)		
Graph	Vertex Cover Problem		
Graph	Chinese Postman or Route Inspection		
Graph	Number of Triangles in a Directed and Undirected Graph		
Graph	Minimise the cashflow among a given set of friends who have borrowed money from each other		
Graph	Two Clique Problem		
Trie	Construct a trie from scratch		
Trie	Find shortest unique prefix for every word in a given list		
Trie	Word break Problem (		