

Questions by Love Babbar:

Youtube Channel: <https://www.youtube.com/channel/UC8uLxuarf0d8rsjpm0w1pw>

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 min 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.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	Maximum profit by buying and selling a share atmost twice	↗
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-cpumn 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 Recurring 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 substrings 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 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 computer	↗
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	ROTI-Prata 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 Lists.	↗
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 DLL.	↗
LinkedList	Count triplets in a sorted DLL whose sum is equal to given value "X".	↗
LinkedList	Sort a "K" sorted Doubly Linked list.[Very IMP]	↗
LinkedList	Rotate a Doubly Linked 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	Convert 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	Fina 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 ndoes that lie in a given range	↗
Binary Search Trees	Replace 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.V IMP]	↗
Binary Search Trees	Flatten BST to the 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 SJF) 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	DEKIN- Defense of a Kingdom	↗
Greedy	DIEHARD -DIE HARD	↗
Greedy	GERGOVIA -Wine trading in Gergovia	↗
Greedy	Picking Up Chicks	↗
Greedy	CHOCOLA -Chocolatte	↗
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 Problems 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	Combinational Sum	↗
BackTracking	Find Maximum number possible by doing at-most K swaps	↗
BackTracking	Print all permutations of a string.	↗
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 Stack	↗
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	LRU 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	Find if minimum and maximum elements of all subarrays of size "k",	↗
Stacks & Queues	Minimum sum of squares of character 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	Check if a Binary Tree is Heap	↗
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 trie from scratch	↗
Graph	<	