

Questions

	Topic:	Problem:	Done [yes or no]
1			
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6	Array	<a href="#">Reverse the array</a>	
7	Array	<a href="#">Find the maximum and minimum element in an array</a>	
8	Array	<a href="#">Find the Kth Max and n in element of an array</a>	
9	Array	<a href="#">Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo</a>	
10	Array	<a href="#">Move all the negative elements to one side of the array</a>	
11	Array	<a href="#">Find the Union and Intersection of the two sorted arrays.</a>	
12	Array	<a href="#">Write a program to cyclically rotate an array by one.</a>	
13	Array	<a href="#">Find Largest sum contiguous Subarray [V, IMP]</a>	
14	Array	<a href="#">Minimise the maximum difference between heights [V IMP]</a>	
15	Array	<a href="#">Minimum no. of Jumps to reach end of an array</a>	
16	Array	<a href="#">Find duplicate in an array of N+1 integers</a>	
17	Array	<a href="#">Merge 2 sorted arrays without using Extra space.</a>	
18	Array	<a href="#">Kadane's Algo [V,V,V,V IMP]</a>	
19	Array	<a href="#">Merge Intervals</a>	
20	Array	<a href="#">Next Permutation</a>	
21	Array	<a href="#">Count Inversion</a>	
22	Array	<a href="#">Best time to buy and Sell stock</a>	
23	Array	<a href="#">Find all pairs on integer array whose sum is equal to given number</a>	
24	Array	<a href="#">Find common elements in 3 sorted arrays</a>	
25	Array	<a href="#">Rearrange the array in alternating positive and negative items with O(1) extra space</a>	
26	Array	<a href="#">Find if there is any subarray with sum equal to 0</a>	
27	Array	<a href="#">Find factorial of a large number</a>	
28	Array	<a href="#">find maximum product subarray</a>	
29	Array	<a href="#">Find longest consecutive subsequence</a>	
30	Array	<a href="#">Given an array of size n and a number k, fin all elements that appear more than " n/k " times.</a>	
31	Array	<a href="#">Find Longest Repeating Subsequence in String</a>	
32	Array	<a href="#">Find whether an array is a subset of another array</a>	
33	Array	<a href="#">Find the triplet that sum to a given value</a>	
34	Array	<a href="#">Trapping Rain water problem</a>	
35	Array	<a href="#">Chocolate Distribution problem</a>	
36	Array	<a href="#">Smallest Subarray with sum greater than a given value</a>	
37	Array	<a href="#">Three way partitioning of an array around a given value</a>	
38	Array	<a href="#">Minimum swaps required bring elements less equal K together</a>	
39	Array	<a href="#">Minimum no. of operations required to make an array palindrome</a>	
40	Array	<a href="#">Median of 2 sorted arrays of equal size</a>	
41	Array	<a href="#">Median of 2 sorted arrays of different size</a>	
42			
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44	Matrix	<a href="#">Spiral traversal on a Matrix</a>	
45	Matrix	<a href="#">Search an element in a matrix</a>	
46	Matrix	<a href="#">Find median in a row wise sorted matrix</a>	
47	Matrix	<a href="#">Find row with maximum no. of 1's</a>	
48	Matrix	<a href="#">Print elements in sorted order using row-column wise sorted matrix</a>	
49	Matrix	<a href="#">Maximum size rectangle</a>	
50	Matrix	<a href="#">Find a specific pair in matrix</a>	
51	Matrix	<a href="#">Rotate matrix by 90 degrees</a>	
52	Matrix	<a href="#">Kth smallest element in a row-cumm wise sorted matrix</a>	
53	Matrix	<a href="#">Common elements in all rows of a given matrix</a>	
54			
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56	String	<a href="#">Reverse a String</a>	
57	String	<a href="#">Check whether a String is Palindrome or not</a>	
58	String	<a href="#">Find Duplicate characters in a string</a>	
59	String	<a href="#">Why strings are immutable in Java?</a>	
60	String	<a href="#">Write a Code to check whether one string is a rotation of another</a>	
61	String	<a href="#">Write a Program to check whether a string is a valid shuffle of two strings or not</a>	
62	String	<a href="#">Count and Say problem</a>	
63	String	<a href="#">Write a program to find the longest Palindrome in a string [ Longest palindromic Substring]</a>	
64	String	<a href="#">Find Longest Recurring Subsequence in String</a>	
65	String	<a href="#">Print all Subsequences of a string</a>	
66	String	<a href="#">Print all the permutations of the given string</a>	
67	String	<a href="#">Split the Binary String into two substrng with equal 0's and 1's</a>	
68	String	<a href="#">Word Wrap Problem [VERY IMP].</a>	
69	String	<a href="#">EDIT Distance [Very Imp]</a>	
70	String	<a href="#">Find next greater number with same set of digits. [Very IMP]</a>	
71	String	<a href="#">Balanced Parenthesis problem [Imp]</a>	
72	String	<a href="#">Word Break Problem [ Very Imp]</a>	
73	String	<a href="#">Rabin Karp Algo</a>	
74	String	<a href="#">KMP Algo</a>	
75	String	<a href="#">Convert a Sentence into its equivalent mobile numeric keypad sequence.</a>	
76	String	<a href="#">Minimum number of bracket reversals needed to make an expression balanced.</a>	
77	String	<a href="#">Count All Palindromic Subsequence in a given String.</a>	
78	String	<a href="#">Count of number of given string in 2D character array</a>	
79	String	<a href="#">Search a Word in a 2D Grid of characters.</a>	
80	String	<a href="#">Boyer Moore Algorithm for Pattern Searching.</a>	
81	String	<a href="#">Converting Roman Numerals to Decimal</a>	
82	String	<a href="#">Longest Common Prefix</a>	
83	String	<a href="#">Number of flips to make binary string alternate</a>	
84	String	<a href="#">Find the first repeated word in string.</a>	
85	String	<a href="#">Minimum number of swaps for bracket balancing.</a>	
86	String	<a href="#">Find the longest common subsequence between two strings.</a>	
87	String	<a href="#">Program to generate all possible valid IP addresses from given string.</a>	
88	String	<a href="#">Write a program to find the smallest window that contains all characters of string itself.</a>	
89	String	<a href="#">Rearrange characters in a string such that no two adjacent are same</a>	
90	String	<a href="#">Minimum characters to be added at front to make string palindrome</a>	
91	String	<a href="#">Given a sequence of words, print all anagrams together</a>	
92	String	<a href="#">Find the smallest window in a string containing all characters of another string</a>	
93	String	<a href="#">Recursively remove all adjacent duplicates</a>	
94	String	<a href="#">String matching where one string contains wildcard characters</a>	
95	String	<a href="#">Program to find Number of customers who could not get a counter</a>	
96	String	<a href="#">Transform One String to Another using Minimum Number of Given Operation</a>	
97	String	<a href="#">Check if two given strings are isomorphic to each other</a>	
98	String	<a href="#">Recursively print all sentences that can be formed from list of word lists</a>	
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101	Searching & Sorting	<a href="#">Find first and last positions of an element in a sorted array</a>	
102	Searching & Sorting	<a href="#">Find a Fixed Point (Value equal to index) in a given array</a>	
103	Searching & Sorting	<a href="#">Search in a rotated sorted array</a>	
104	Searching & Sorting	<a href="#">square root of an integer</a>	
105	Searching & Sorting	<a href="#">Maximum and minimum of an array using minimum number of comparisons</a>	
106	Searching & Sorting	<a href="#">Optimum location of point to minimize total distance</a>	
107	Searching & Sorting	<a href="#">Find the repeating and the missing</a>	
108	Searching & Sorting	<a href="#">find majority element</a>	
109	Searching & Sorting	<a href="#">Searching in an array where adjacent differ by at most k</a>	
110	Searching & Sorting	<a href="#">find a pair with a given difference</a>	
111	Searching & Sorting	<a href="#">find four elements that sum to a given value</a>	
112	Searching & Sorting	<a href="#">maximum sum such that no 2 elements are adjacent</a>	
113	Searching & Sorting	<a href="#">Count triplet with sum smaller than a given value</a>	
114	Searching & Sorting	<a href="#">merge 2 sorted arrays</a>	
115	Searching & Sorting	<a href="#">print all subarrays with 0 sum</a>	
116	Searching & Sorting	<a href="#">Product array Puzzle</a>	
117	Searching & Sorting	<a href="#">Sort array according to count of set bits</a>	
118	Searching & Sorting	<a href="#">minimum no. of swaps required to sort the array</a>	
119	Searching & Sorting	<a href="#">Bishu and Soldiers</a>	
120	Searching & Sorting	<a href="#">Rasta and Kheshtak</a>	
121	Searching & Sorting	<a href="#">Kth smallest number again</a>	
122	Searching & Sorting	<a href="#">Find pivot element in a sorted array</a>	
123	Searching & Sorting	<a href="#">K-th Element of Two Sorted Arrays</a>	
124	Searching & Sorting	<a href="#">Aggressive cows</a>	
125	Searching & Sorting	<a href="#">Book Allocation Problem</a>	
126	Searching & Sorting	<a href="#">EKOSPOJ.</a>	
127	Searching & Sorting	<a href="#">Job Scheduling Algo</a>	
128	Searching & Sorting	<a href="#">Missing Number in AP</a>	
129	Searching & Sorting	<a href="#">Smallest number with atleastn trailing zeroes infactorial</a>	
130	Searching & Sorting	<a href="#">Painters Partition Problem.</a>	
131	Searching & Sorting	<a href="#">ROT13Prta SPOJ</a>	
132	Searching & Sorting	<a href="#">DoubleHelix SPOJ</a>	
133	Searching & Sorting	<a href="#">Subset Sums</a>	
134	Searching & Sorting	<a href="#">Findthe inversion count</a>	
135	Searching & Sorting	<a href="#">Implement Merge-sort in-place</a>	
136	Searching & Sorting	<a href="#">Partitioning and Sorting Arrays with Many Repeated Entries</a>	
137			
138	LinkedList	<a href="#">Write a Program to reverse the Linked List. (Both Iterative and recursive)</a>	
139	LinkedList	<a href="#">Reverse a Linked List in group of Given Size. [Very Imp]</a>	
140	LinkedList	<a href="#">Write a program to Detect loop in a linked list.</a>	
141	LinkedList	<a href="#">Write a program to Delete loop in a linked list.</a>	
142	LinkedList	<a href="#">Find the starting point of the loop.</a>	
143	LinkedList	<a href="#">Remove Duplicates in a sorted Linked List</a>	
144	LinkedList	<a href="#">Remove Duplicates in a Un-sorted Linked List</a>	
145	LinkedList	<a href="#">Write a Program to Move the last element to Front in a Linked List.</a>	
146	LinkedList	<a href="#">Add "1" to a number represented as a Linked List.</a>	
147	LinkedList	<a href="#">Add two numbers represented by linked lists.</a>	
148	LinkedList	<a href="#">Intersection of two Sorted Linked List.</a>	
149	LinkedList	<a href="#">Intersection Point of two Linked Lists</a>	
150	LinkedList	<a href="#">Merge Sort For Linked lists [Very Important]</a>	
151	LinkedList	<a href="#">Quicksort for Linked Lists [Very Important]</a>	
152	LinkedList	<a href="#">Find the middle Element of a linked list.</a>	
153	LinkedList	<a href="#">Split if a linked list is a circular linked list.</a>	
154	LinkedList	<a href="#">Check a Circular linked list into two halves.</a>	
155	LinkedList	<a href="#">Write a Program to check whether the Singly Linked list is a palindrome or not.</a>	
156	LinkedList	<a href="#">Deletion from a Circular Linked List.</a>	
157	LinkedList	<a href="#">Reverse a Doubly linked list.</a>	
158	LinkedList	<a href="#">Find pairs with a given sum in a D.L.L.</a>	
159	LinkedList	<a href="#">Count triplets in a sorted D.L.L whose sum is equal to given value "X".</a>	
160	LinkedList	<a href="#">Sort a "k"sorted Doubly Linked list [Very IMP]</a>	
161	LinkedList	<a href="#">Rotate DoublyLinked list by N nodes.</a>	
162	LinkedList	<a href="#">Rotate a Doubly Linked list in group of Given Size [Very IMP]</a>	
163	LinkedList	<a href="#">Can we reverse a linked list in less than O(n) ?</a>	
164	LinkedList	<a href="#">Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ?</a>	
165	LinkedList	<a href="#">Flatten a linked list</a>	
166	LinkedList	<a href="#">Sort a LL of 0's, 1's and 2's</a>	
167	LinkedList	<a href="#">Clone a linked list with next and random pointer</a>	
168	LinkedList	<a href="#">Merge K sorted Linked list</a>	
169	LinkedList	<a href="#">Multiply 2 no. represented by LL</a>	
170	LinkedList	<a href="#">Delete nodes which have a greater value on right side</a>	
171	LinkedList	<a href="#">Segregate even and odd nodes in a Linked List</a>	
172	LinkedList	<a href="#">Program for nTh node from the end of a Linked List</a>	
173	LinkedList	<a href="#">Find the first non-repeating character from a stream of characters</a>	
174	LinkedList		
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177	Binary Trees	<a href="#">level order traversal</a>	
178	Binary Trees	<a href="#">Reverse Level Order traversal</a>	
179	Binary Trees	<a href="#">Height of a tree</a>	
180	Binary Trees	<a href="#">Diameter of a tree</a>	
181	Binary Trees	<a href="#">Mirror of a tree</a>	
182	Binary Trees	<a href="#">Inorder Traversal of a tree both using recursion and Iteration</a>	
183	Binary Trees	<a href="#">Preorder Traversal of a tree both using recursion and Iteration</a>	
184	Binary Trees	<a href="#">Postorder Traversal of a tree both using recursion and Iteration</a>	
185	Binary Trees	<a href="#">Left View of a tree</a>	
186	Binary Trees	<a href="#">Right View of Tree</a>	
187	Binary Trees	<a href="#">Top View of a tree</a>	
188	Binary Trees	<a href="#">Bottom View of a tree</a>	
189	Binary Trees	<a href="#">Zig-Zag traversal of a binary tree</a>	
190	Binary Trees	<a href="#">Check if a tree is balanced or not</a>	
191	Binary Trees	<a href="#">Diagnol Traversal of a Binary tree</a>	
192	Binary Trees	<a href="#">Boundary traversal of a Binary tree</a>	
193	Binary Trees	<a href="#">Construct Binary Tree from String with Bracket Representation</a>	
194	Binary Trees	<a href="#">Construct Binary tree into Doubly Linked List</a>	
195	Binary Trees	<a href="#">Convert Binary tree into Sum tree</a>	
196	Binary Trees	<a href="#">Construct Binary tree from Inorder and preorder traversal</a>	
197	Binary Trees	<a href="#">Find minimum swaps required to convert a Binary tree into BST</a>	
198	Binary Trees	<a href="#">Check if Binary tree is Sum tree or not</a>	
199	Binary Trees	<a href="#">Check if all leaf nodes are at same level or not</a>	
200	Binary Trees	<a href="#">Check if a Binary Tree contains duplicate subtrees of size 2 or more [ IMP ]</a>	
201	Binary Trees	<a href="#">Check if 2 trees are mirror or not</a>	
202	Binary Trees	<a href="#">Sum of Nodes on the longest path from root to leaf node</a>	
203	Binary Trees	<a href="#">Check if given graph is tree or not. [ IMP ]</a>	
204	Binary Trees	<a href="#">Find Largest subtree sum in a tree</a>	
205	Binary Trees	<a href="#">Maximum Sum of nodes in Binary tree such that no two are adjacent</a>	
206	Binary Trees	<a href="#">Print all "K" Sum paths in a Binary tree</a>	
207	Binary Trees	<a href="#">Find LCA in a Binary tree</a>	
208	Binary Trees	<a href="#">Find distance between 2 nodes in a Binary tree</a>	
209	Binary Trees	<a href="#">K-th Ancestor of node in a Binary tree</a>	
210	Binary Trees	<a href="#">Find all Duplicate subtrees in a Binary tree [ IMP ]</a>	
211	Binary Trees	<a href="#">Tree Isomorphism Problem</a>	
212			
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214	Binary Search Trees	<a href="#">Find a value in a BST</a>	
215	Binary Search Trees	<a href="#">Deletion of a node in a BST</a>	
216	Binary Search Trees	<a href="#">Find min and max value in a BST</a>	
217	Binary Search Trees	<a href="#">Find inorder successor and inorder predecessor in a BST</a>	
218	Binary Search Trees	<a href="#">Check if a tree is a BST or not</a>	
219	Binary Search Trees	<a href="#">Populate Inorder successor of all nodes</a>	
220	Binary Search Trees	<a href="#">Find LCA of 2 nodes in a BST</a>	
221	Binary Search Trees	<a href="#">Construct BST from preorder traversal</a>	
222	Binary Search Trees	<a href="#">Convert Binary tree into BST</a>	
223	Binary Search Trees	<a href="#">Convert a normal BST into a Balanced BST</a>	
224	Binary Search Trees	<a href="#">Merge two BST [ V,V,V+IMP ]</a>	
225	Binary Search Trees	<a href="#">Find Kth largest element in a BST</a>	
226	Binary Search Trees	<a href="#">Find Kth smallest element in a BST</a>	
227	Binary Search Trees	<a href="#">Count pairs from 2 BST whose sum is equal to given value "X"</a>	
228	Binary Search Trees	<a href="#">Find the median of BST in O(n) time and O(1) space</a>	
229	Binary Search Trees	<a href="#">Count BST nodes that lie in a given range</a>	
230	Binary Search Trees	<a href="#">Receives every element with the least greater element on its right</a>	
231	Binary Search Trees	<a href="#">Given "n" appointments, find the conflicting appointments</a>	
232	Binary Search Trees	<a href="#">Check preorder is valid or not</a>	
233	Binary Search Trees	<a href="#">Check whether BST contains Dead end</a>	
234	Binary Search Trees	<a href="#">Largest BST in a Binary Tree [ V,V,V,V IMP ]</a>	
235	Binary Search Trees	<a href="#">Flatten BST to sorted list</a>	
236			
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238	Greedy	<a href="#">Activity Selection Problem</a>	
239	Greedy	<a href="#">Job Sequencing Problem</a>	
240	Greedy	<a href="#">Huffman Coding</a>	
241	Greedy	<a href="#">Water Connection Problem</a>	
242	Greedy	<a href="#">Fractional Knapsack Problem</a>	
243	Greedy	<a href="#">Greedy Algorithm to find Minimum number of Coins</a>	
244	Greedy	<a href="#">Maximum trains for which stoppage can be provided</a>	
245	Greedy	<a href="#">Minimum Platforms Problem</a>	
246	Greedy	<a href="#">Buy Maximum Stocks if i stocks can be bought on i-th day</a>	
247	Greedy	<a href="#">Find the minimum and maximum amount to buy all N candies</a>	
248	Greedy	<a href="#">Minimize Cash Flow among a given set of friends who have borrowed money from each other</a>	
249	Greedy	<a href="#">Minimum cost to cut a board into squares</a>	
250	Greedy	<a href="#">Check if it is possible to survive on island</a>	
251	Greedy	<a href="#">Find maximum meetings in one room</a>	
252	Greedy	<a href="#">Maximum product subset of an array</a>	
253	Greedy	<a href="#">Maximize array sum after K negations</a>	
254	Greedy	<a href="#">Maximize the sum of arr[i]*i</a>	
255	Greedy	<a href="#">Maximum sum of absolute difference of an array</a>	
256	Greedy	<a href="#">Maximize sum of consecutive differences in a circular array</a>	
257	Greedy	<a href="#">Minimum sum of Absolute difference of pairs of two arrays</a>	
258	Greedy	<a href="#">Program for Shortest Job First (or SJF) CPU Scheduling</a>	
259	Greedy	<a href="#">Program for Least Recently Used (LRU) Page Replacement algorithm</a>	
260	Greedy	<a href="#">Smallest subset with sum greater than all other elements</a>	
261	Greedy	<a href="#">Chocolate Distribution Problem</a>	
262	Greedy	<a href="#">DEFKIN -Defense of a Kingdom</a>	
263	Greedy	<a href="#">DIEHARD -DIE HARD</a>	
264	Greedy	<a href="#">GERGOVIA -Wine trading in Gergovia</a>	
265	Greedy	<a href="#">Picking Up Chicks</a>	
266	Greedy	<a href="#">CHOCOLA -Chocolate</a>	
267	Greedy	<a href="#">ARRANGE -Arranging Amplifiers</a>	
268	Greedy	<a href="#">K Centers Problem</a>	
269	Greedy	<a href="#">Minimum Cost of ropes</a>	
270	Greedy	<a href="#">Find smallest number with given number of digits and sum of digits</a>	
271	Greedy	<a href="#">Rearrange characters in a string such that no two adjacent are same</a>	
272	Greedy	<a href="#">Find maximum sum possible equal sum of three stacks</a>	
273			
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275	BackTracking	<a href="#">Rat in a maze Problem</a>	
276	BackTracking	<a href="#">Printing all solutions in N-Queen Problem</a>	
277	BackTracking	<a href="#">Word Break Problem using Backtracking</a>	
278	BackTracking	<a href="#">Remove Invalid Parentheses</a>	
279	BackTracking	<a href="#">Sudoku Solver</a>	
280	BackTracking	<a href="#">m Coloring Problem</a>	
281	BackTracking	<a href="#">Print all palindromic partitions of a string</a>	
282	BackTracking	<a href="#">Subset Sums Problem</a>	
283	BackTracking	<a href="#">The Knight's tour problem</a>	
284	BackTracking	<a href="#">Tug of War</a>	
285	BackTracking	<a href="#">Find shortest safe route in a path with landmines</a>	
286	BackTracking	<a href="#">Combination Sum</a>	
287	BackTracking	<a href="#">Find Maximum number possible by doing at-most K swaps</a>	
288	BackTracking	<a href="#">Find if there is a path of more than k length from a source</a>	
289	BackTracking	<a href="#">Longest Possible Route in a Matrix with Hurdles</a>	
290	BackTracking	<a href="#">Print all possible paths from top left to bottom right of a mXn matrix</a>	
291	BackTracking	<a href="#">Partition of a set intoK subsets with equal sum</a>	
292	BackTracking	<a href="#">Partition of a set intoK subsets with equal sum</a>	
293	BackTracking	<a href="#">Find the K-th Permutation Sequence of first N natural numbers</a>	
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296	Stacks & Queues	<a href="#">Implement Stack from Scratch</a>	
297	Stacks & Queues	<a href="#">Implement Queue from Scratch</a>	
298	Stacks & Queues	<a href="#">Minimum 2 stack in an array</a>	
299	Stacks & Queues	<a href="#">find the middle element of a stack</a>	
300	Stacks & Queues	<a href="#">Implement "N" stacks in an Array</a>	
301	Stacks & Queues	<a href="#">Check the expression has valid or Balanced parenthesis or not.</a>	
302	Stacks & Queues	<a href="#">Reverse a String using Stack</a>	
303	Stacks & Queues	<a href="#">Design a Stack that supports getMin() in O(1) time and O(1) extra space.</a>	
304	Stacks & Queues	<a href="#">Find the next Greater element</a>	
305	Stacks & Queues	<a href="#">The celebrity Problem</a>	
306	Stacks & Queues	<a href="#">Arithmetic Expression evaluation</a>	</