

	DSA by Shradha Didi & Aman Bhaiya			
		Meet us on Youtube (Apna College)		How to solve this sheet?
	Easy	Ideal Time : 5-10 mins		
	Medium	Ideal Time : 15-20 mins	5 Questions each Day	
	Hard	Ideal Time : 40-60 mins (based on Qs) 88 Qs		
	Topics	Question (375)	Companies	Remarks
1	Arrays	Maximum and Minimum Element in an Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
2	Arrays	Reverse the Array	Infosys Moonfrog Labs	
3	Arrays	Maximum-Subarray	Microsoft + Facebook Interview Qs	use Kadane's Algorithm
4	Arrays	Contains Duplicate	Amazon Interview Qs	
5	Arrays	Chocolate Distribution Problem	Amazon Interview Qs	
6	Arrays	Search in Rotated Sorted Array	Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Pay	
7	Arrays	Next Permutation	Uber + Goldman Sachs + Adobe Interview Qs	
8	Arrays	Best time to Buy and Sell Stock	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft (
9	Arrays	Repeat and Missing Number Array	Amazon Interview Qs	
10	Arrays	Kth-Largest Element in an Array	Amazon Microsoft Walmart Adobe	
11	Arrays	Trapping Rain Water	Samsung Interview Qs	use auxiliary arrays
12	Arrays	Product of Array Except Self	Microsoft + Facebook Interview Qs	
13	Arrays	Maximum Product Subarray	Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google	
14	Arrays	Find Minimum in Rotated Sorted Array	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
15	Arrays	Find Pair with Sum in Sorted & Rotated Array	Microsoft + Google + Apple Interview Qs	
16	Arrays	3Sum	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
17	Arrays	Container With Most Water	Flipkart + Dunzo Interview Qs	use 2 pointer approach
18	Arrays	Given Sum Pair	Infosys + Amazon + Flipkart Interview Qs	
19	Arrays	Kth - Smallest Element	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
20	Arrays	Merge Overlapping Intervals	Google Interview Qs	
21	Arrays	Find Minimum Number of Merge Operations to Make an Array Palindrome	Amazon	
22	Arrays	Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Barclays Interview Qs	
23	Arrays	Space Optimization Using Bit Manipulations	Amazon	
24	Arrays	Subarray Sum Divisible K	Snapdeal Microsoft	
25	Arrays	Print all Possible Combinations of r Elements in a Given Array of Size n	Amazon	
26	Arrays	Mo's Algorithm	Microsoft	
27	Strings	Valid Palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
28	Strings	Valid Anagram	Nagarro Media.net Directi Google Adobe Flipkart	
29	Strings	Valid parentheses	Google Interview Qs	use Stacks (if possible)
30	Strings	Remove Consecutive Characters	Samsung + Adobe	
31	Strings	Longest Common Prefix	Adobe + Grofers + Dunzo Interview Qs	
32	Strings	Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence	Adobe	
33	Strings	Print all the Duplicates in the Input String	Ola + Amdocs IQ	
34	Strings	Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ	
35	Strings	Longest Repeating Character Replacement	Amazon Google	
36	Strings	Group Anagrams	Samsung + Adobe + Amazon Interview Qs	
37	Strings	Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ	
38	Strings	Palindromic Substrings	Microsoft IQ	
39	Strings	Next Permutation	Adobe + Goldman Sachs + Uber	
40	Strings	Count Palindromic Subsequences	Myntra Interview Qs	
41	Strings	Smallest Window in a String Containing all the Characters of Another String	Microsoft + Amazon IQ	
42	Strings	Wildcard String Matching	Microsoft + Amazon + Ola IQ	
43	Strings	Longest Prefix Suffix	Flipkart + Swiggy IQ	
44	Strings	Rabin-Karp Algorithm for Pattern Searching	Microsoft	
45	Strings	Transform One String to Another using Minimum Number of Given Operation	Directi	
46	Strings	Minimum Window Substring	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atla	
47	Strings	Boyer Moore Algorithm for Pattern Searching	Amdocs	
48	Strings	Word Wrap	Microsoft	use Dynaming Programming
49	2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon	
50	2D Arrays	Set Matrix Zeroes	Amazon Microsoft	
51	2D Arrays	Spiral Matrix	Flipkart + Apple + Societe Generale IQ	
52	2D Arrays	Rotate Image	Microsoft Paytm Samsung Adobe	
53	2D Arrays	Word Search	Google + Ola + Goldman Sachs IQ	
54	2D Arrays	Find the Number of Islands Set 1 (Using DFS)	Microsoft + Uber + Apple + Amazon IQ	Read about DFS
55	2D Arrays	Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X'	Google	
56	2D Arrays	Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix	MAQ Software Microsoft VMWare	
57	2D Arrays	Create a Matrix with Alternating Rectangles of O and X	MAQ VMWare	
58	2D Arrays	Maximum Size Rectangle of all 1s	Amazon Microsoft	
59	Searching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung	
60	Searching & Sorting	counting sort	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems	
61	Searching & Sorting	find common elements three sorted arrays	MAQ Software Microsoft VMWare	
62	Searching & Sorting	Searching in an array where adjacent differ by at most k	TCS Amazon	
63	Searching & Sorting	ceiling in a sorted array	TCS	
64	Searching & Sorting	Piar with given difference	Amazon Visa	
65	Searching & Sorting	majority element	Amazon+ Google	
66	Searching & Sorting	count triplets with sum smaller that a given value	Amazon SAP Labs	
67	Searching & Sorting	Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipk	
68	Searching & Sorting	Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr S	
69	Searching & Sorting	Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip	
70	Searching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho	
71	Searching & Sorting	Radix Sort	Amazon+ Microsoft	
72	Searching & Sorting	Product of Array except itself	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart	
73	Searching & Sorting	Make all Array Elements Equal	Amazon	
74	Searching & Sorting	Check if Reversing a Sub Array Make the Array Sorted	Amazon	
75	Searching & Sorting	Find Four Elements that Sum to a Given Value	Adobe Amazon Google Microsoft OYO Rooms	
76	Searching & Sorting	Median of Two Sorted Array with Different Size	Amazon Samsung Microsoft Google	
77	Searching & Sorting	Median of Stream of Integers Running Integers	Amazon + Google	
78	Searching & Sorting	Print Subarrays with 0 Sum	Paytm Adobe	
79	Searching & Sorting	Aggressive Cows	Adobe	
80	Searching & Sorting	Allocate Minimum number of Pages	Google Infosys Codenation Amazon Microsoft	
81	Searching & Sorting	Minimum Swaps to Sort	Amazon + Google	
82	Backtracking	Backtracking Set 2 Rat in a Maze	Microsoft Amazon	
83	Backtracking	Combinational Sum	Adobe Amazon Microsoft	
84	Backtracking	Crossword-Puzzle	Microsoft	
85	Backtracking	Longest Possible Route in a Matrix with Hurdles	Microsoft	
86	Backtracking	Printing all solutions in N-Queen Problem	Accolite Amazon Amdocs D-E-Shaw MAQ Software Twitter Visa Microsoft	

87	Backtracking	Solve the Sudoku	Amazon Directi Flipkart MakeMyTrip MAQ Software Microsoft Ola Cabs Oracle F	
88	Backtracking	Partition Equal Subset Sum	Amazon + Adobe + Accolite + Traveloka	
89	Backtracking	M.Coloring Problem	Amazon	
90	Backtracking	Knight Tour	IBM	
91	Backtracking	Sudoku	Amazon + Adobe + Accolite + Traveloka	
92	Backtracking	Remove Invalid Parentheses	Uber	
93	Backtracking	Word Break Problem using Backtracking		
94	Backtracking	Print all Palindromic Partitions of a String	Facebook Amazon Microsoft	
95	Backtracking	Find Shortest Safe Route in a Path with Landmines	Facebook Amazon Microsoft	
96	Backtracking	Partition of Set into K Subsets with Equal Sum	Amazon	
97	Backtracking	Backtracking set-7 hamiltonian cycle	Amazon	
98	Backtracking	tug-of-war	Google	
99	Backtracking	Maximum Possible Number by doing at most K swaps	Amazon + Adobe + Accolite + Traveloka	
100	Backtracking	Backtracking set-8 solving cryptarithmic puzzles	Goldman Sachs	
101	Backtracking	Find paths from corner cell to middle cell in maze	Meta	
102	Backtracking	Arithmetic Expressions	Flipkart	
103	Linked List	Reverse Linked List	Sprinklr	
104	Linked List	Linked List Cycle	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ S	
105	Linked List	Merge Two Sorted Lists	Accolite Amazon Belzabar Brocade FactSet Flipkart MakeMyTrip Microsoft OAT	
106	Linked List	Delete without Head node	Amazon Goldman Sachs Kritikal Solutions Microsoft Samsung Visa	
107	Linked List	Remove duplicates from an unsorted linked list	Amazon Intuit	
108	Linked List	Sort a linked list of 0s-1s-or-2s	Microsoft Amazon MakeMyTrip	
109	Linked List	Multiply two numbers represented linked lists	Amazon	
110	Linked List	Remove nth node from end of list	Accolite Adobe Amazon Citicorp Epic Systems FactSet Hike MAQ Software Mon	
111	Linked List	Reorder List	Amazon Microsoft OYO Rooms Intuit	
112	Linked List	Detect and remove loop in a linked list	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ S	
113	Linked List	Write a Function to get the Intersection Point of two Linked Lists	Amazon	
114	Linked List	Flatten a linked list with next and child pointers	Google	
115	Linked List	Linked list in zig-zag fashion	Micorsoft	
116	Linked List	Reverse a doubly linked list	Walmart	
117	Linked List	Delete nodes which have a greater value on right side	Amazon	
118	Linked List	Segregate even and odd Elements in a Linked List	Walmart	
119	Linked List	Point to next higher value node in a linked list with an Arbitrary Pointer	GeekyAnts	
120	Linked List	Rearrange a given linked list in place	Ola Uber	
121	Linked List	Sort Biotonic Doubly Linked Lists	Morgan Stanley	
122	Linked List	Merge K Sorted Lists	Microsoft+ Ola+ eBay	
123	Linked List	Merge sort for linked list	Accolite Adobe Amazon MAQ Software Microsoft Paytm Veritas	Important
124	Linked List	Quicksort on singly-linked list	Paytm	Important
125	Linked List	Sum of two linked lists	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Sni	
126	Linked List	Flattening a linked list	24*7 Innovation Labs Amazon Drishti-Soft Flipkart Goldman Sachs Microsoft Pa	
127	Linked List	Clone a linked list with next and random Pointer	Triology	
128	Linked List	Subtract two numbers represented as linked lists	Amazon Goldman Sachs	
129	Stacks & Queues	Implement two stacks in an Array	24*7 Innovation Labs Microsoft Samsung Snapdeal	
130	Stacks & Queues	Evaluation of Postfix Expression	Amazon + Google + Facebook	
131	Stacks & Queues	Implement Stack using Queues	Facebook	
132	Stacks & Queues	Queue Reversal	Amazon + Morgain Stanley	
133	Stacks & Queues	Implement Stack Queue using Deque	Microsoft +Atlassian	
134	Stacks & Queues	Reverse first k elements of queue	Microsoft + Amdocs	
135	Stacks & Queues	Design Stack with Middle Operation	MaQ Software	
136	Stacks & Queues	Infix to Postfix	Amazon + Samsung + Paytm + Vmware inc	
137	Stacks & Queues	Design and Implement Special stack	Amazon Google Microsoft Visa Goldman Sachs	
138	Stacks & Queues	Longest Valid String	Google Microsoft	
139	Stacks & Queues	Find if an expression has duplicate parenthesis or not	Flipkart Oracle OYO Rooms Snapdeal Walmart Yatra.com Microsoft Google	
140	Stacks & Queues	Stack permutations check if an array is stack permutation of other	Visa	
141	Stacks & Queues	Count natural numbers whose permutation greater number	Amazon	
142	Stacks & Queues	Sort a stack using Recursion	Amazon Goldman Sachs IBM Intuit Kuliza Yahoo Microsoft	
143	Stacks & Queues	Queue based approach for first non repeating character in a stream	Microsoft Flipkart	
144	Stacks & Queues	The Celebrity Problem	Google + Visa + Apple	
145	Stacks & Queues	Next larger Element	Visa	
146	Stacks & Queues	Distance of nearest cell	Flipkar + Facebook	
147	Stacks & Queues	Rotten-oranges	Facebook	
148	Stacks & Queues	Next smaller element	Codenation	
149	Stacks & Queues	Circular-tour	Codenation Flipkart	
150	Stacks & Queues	Efficiently implement k-stacks single array	Flipkart	
151	Stacks & Queues	The celebrity problem	Google + Visa + Apple	
152	Stacks & Queues	Iterative tower of hanoi	Microsoft Flipkart	
153	Stacks & Queues	Find the maximum of minimums for every window size in a given array	Amazon Microsoft Flipkart	
154	Stacks & Queues	lru cache implementation	Microsoft + Uber + Alibaba	
155	Stacks & Queues	Find a tour that visits all stations	Uber	
156	Greedy	Activity selection problem greedy algo	Facebook Morgan Stanley Flipkart	
157	Greedy	Greedy algorithm to find minimum number of coins	Accolite Amazon Morgan Stanley Oracle Paytm Samsung Snapdeal Synopsys Vi	
158	Greedy	Minimum sum two numbers formed digits array-2	Google	
159	Greedy	Minimum sum absolute difference pairs two arrays	Amazon	
160	Greedy	Find maximum height pyramid from the given array of objects	Flipkart Amazon	
161	Greedy	Minimum cost for acquiring all coins with k extra coins allowed with every coin		
162	Greedy	Find maximum equal sum of every three stacks	Microsoft Amazon Flipkart	
163	Greedy	Job sequencing problem	Microsoft + Acolite	
164	Greedy	Greedy algorithm egyptian fraction		
165	Greedy	Fractional knapsack problem	Microsoft	
166	Greedy	Maximum length chain of pairs	Amazon Microsoft	
167	Greedy	Find smallest number with given number of digits and digit sum	MAQ Software OYO Rooms	
168	Greedy	Maximize sum of consecutive differences circular-array	Maccafe	
169	Greedy	paper-cut minimum number squares	Google	
170	Greedy	Lexicographically smallest array-k consecutive swaps	Amazon	
171	Greedy	Problems-CHOCOLA	Flipkart	
172	Greedy	Find minimum time to finish all jobs with given constraints		
173	Greedy	Job sequencing using disjoint set union	Samsung	
174	Greedy	Rearrange characters string such that no two adjacent are same	Amazon Microsoft	
175	Greedy	Minimum edges to reverse to make path from a source to a destination		
176	Greedy	Minimize Cash Flow among a given set of friends who have borrowed money from each other		
177	Greedy	Minimum Cost to cut a board into squares	Maccafe	
178	Binary Trees	Maximum Depth of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTri	
179	Binary Trees	Reverse Level Order Traversal	Amazon + Microsoft + flipkart + Adobe	
180	Binary Trees	Subtree of Another Tree	Amazon + Microsoft + Facebook	
181	Binary Trees	Invert Binary Tree	Amazon Hike	
182	Binary Trees	Binary Tree Level Order Traversal	Accolite Adobe Amazon Cisco D-E-Shaw Flipkart	

183	Binary Trees	Left View of Binary Tree	Microsoft + Adobe + Cisco Networking Academy	
184	Binary Trees	Right View of Binary Tree	Amdocs	
185	Binary Trees	ZigZag Tree Traversal	Amazon Cisco FactSet Hike Snapdeal Walmart Microsoft Flipkart	
186	Binary Trees	Create a mirror tree from the given binary tree	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanley	
187	Binary Trees	Leaf at same level	Amazon	
188	Binary Trees	Check for Balanced Tree	Amazon Walmart Microsoft	
189	Binary Trees	Transform to Sum Tree	Amazon FactSet Microsoft Samsung Walmart	
190	Binary Trees	Check if Tree is Isomorphic	Amazon Microsoft	
191	Binary Trees	Same Tree	Amazon Microsoft Flipkart	
192	Binary Trees	Construct Binary Tree from Preorder and Inorder Traversal	Accolite Amazon Microsoft	
193	Binary Trees	Height of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTrip	
194	Binary Trees	Diameter of a Binary Tree	Amazon Microsoft OYO Rooms	
195	Binary Trees	Top View of Binary Tree	Microsoft + Adobe + Expedia Group	
196	Binary Trees	Bottom View of Binary Tree	DE Shaw India	
197	Binary Trees	Diagonal Traversal of Binary Tree	Amazon Microsoft	
198	Binary Trees	Boundary Traversal of binary tree	Accolite Amazon FactSet Hike Kritikal Solutions	
199	Binary Trees	Construct Binary Tree from String with Brackets	Microsoft Morgan Stanley OYO Rooms Payu Samsung Snapdeal Flipkart	
200	Binary Trees	Minimum swap required to convert binary tree to binary search tree	Adobe Amazon	
201	Binary Trees	Duplicate subtree in Binary Tree	Google	
202	Binary Trees	Check if a given graph is tree or not	Microsoft Amazon	
203	Binary Trees	Lowest Common Ancestor in a Binary Tree	Accolite Amazon American Express Cisco Expedia Flipkart MakeMyTrip Microsoft	
204	Binary Trees	Min distance between two given nodes of a Binary Tree	Amazon LinkedIn MakeMyTrip Ola Cabs Qualcomm Samsung	
205	Binary Trees	Duplicate Subtrees	Ola	
206	Binary Trees	Kth ancestor of a node in binary tree	Josh Technology Group	
207	Binary Trees	Binary Tree Maximum Path Sum	Samsung + Facebook	
208	Binary Trees	Serialize and Deserialize Binary Tree	Flipkart InMobi LinkedIn MAQ Software Microsoft Paytm Quikr Yahoo	
209	Binary Trees	Binary Tree to DLL	Accolite Amazon Goldman Sachs Microsoft Morgan Stanley Salesforce Snapdeal	
210	Binary Trees	Print all k-sum paths in a binary tree	Accolite Amazon Goldman Sachs	
211	Binary Search Trees	Lowest Common Ancestor of a Binary Search Tree	Accolite Amazon Flipkart MAQ Software Microsoft Samsung Synopsys	
212	Binary Search Trees	Binary Search Tree Set 1 (Search and Insertion)	Accolite Amazon Microsoft Paytm Samsung	
213	Binary Search Trees	Minimum element in BST	Microsoft	
214	Binary Search Trees	Predecessor and Successor	Google + Adobe + Goldman Sachs + Direct	
215	Binary Search Trees	Check whether BST contains Dead End	Walmart	
216	Binary Search Trees	Binary Tree to BST	HSBC	
217	Binary Search Trees	Kth largest element in BST	Accolite Amazon Samsung SAP Labs Microsoft	
218	Binary Search Trees	Validate Binary Search Tree	OYO Rooms Qualcomm Samsung Snapdeal VMware Walmart Wooker Amazon	
219	Binary Search Trees	Kth Smallest Element in a BST	Accolite Amazon Google	
220	Binary Search Trees	Delete Node in a BST	Adobe Barclays	
221	Binary Search Trees	Flatten BST to sorted list	Microsoft	
222	Binary Search Trees	Preorder to Postorder	Amazon LinkedIn Flipkart	
223	Binary Search Trees	Count BST nodes that lie in a given range	D-E-Shaw Google	
224	Binary Search Trees	Populate Inorder Successor for all Nodes	Sap labs	
225	Binary Search Trees	Convert Normal BST to Balanced BST	Paytm	
226	Binary Search Trees	Merge two BSTs	DE Shaw India	
227	Binary Search Trees	Given n appointments, find all conflicting appointments	Samsung	
228	Binary Search Trees	Replace every element	Samsung	
229	Binary Search Trees	Construct BST from given preorder traversal	Adobe Morgan Stanley Microsoft	
230	Binary Search Trees	Find median of BST in O(n) time and O(1) space	Amazon	
231	Binary Search Trees	Largest BST in a Binary Tree	Amazon D-E-Shaw Samsung Microsoft Flipkart	Important
232	Heaps & Hashing	Choose k array elements such that difference of maximum and minimum is minimized		
233	Heaps & Hashing	Heap Sort	Adobe	
234	Heaps & Hashing	Top K Frequent Elements	Amazon Microsoft	
235	Heaps & Hashing	k largest elements in an array	Amazon Microsoft Walmart Adobe	
236	Heaps & Hashing	Next Greater Element	Amazon + Microsoft + Flipkart + Adobe	
237	Heaps & Hashing	K'th Smallest/Largest Element in Unsorted Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMware Google Adobe	
238	Heaps & Hashing	Find the maximum repeating number in O(n) time and O(1) extra space	Accolite Amazon	
239	Heaps & Hashing	K-th smallest element after removing some integers from natural numbers	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMware Google Adobe	
240	Heaps & Hashing	Find k closest elements to a given value	Amazon OYO Rooms	
241	Heaps & Hashing	K'th largest element in a stream	Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart	
242	Heaps & Hashing	Connect Ropes	Amazon + Oyo + Goldman Sachs	
243	Heaps & Hashing	Cuckoo Hashing	Amazon	
244	Heaps & Hashing	Itinerary from a List of Tickets	Microsoft + Ola + eBay	
245	Heaps & Hashing	Largest Subarray with 0 Sum	Amazon MakeMyTrip Microsoft	
246	Heaps & Hashing	Count distinct elements in every window of size k	Accolite Amazon Microsoft	
247	Heaps & Hashing	Group Shifted Strings	Oracle	
248	Heaps & Hashing	Merge K Sorted lists	Microsoft + Ola + eBay	
249	Heaps & Hashing	Find Median from Data Stream	Adobe Amazon Apple Belzabar D-E-Shaw Facebook Flipkart Google Intuit Microsoft	
250	Heaps & Hashing	Sliding Window Maximum	Amazon Directi Flipkart Microsoft Google	
251	Heaps & Hashing	Find the smallest positive number	Accolite Amazon Samsung Snapdeal	
252	Heaps & Hashing	Find Surpasser Count of each element in array	Amazon Morgan Stanley Ola Cabs SAP Labs	
253	Heaps & Hashing	Tournament Tree and Binary Heap	Amazon Ola Cabs Samsung Synopsys Walmart Microsoft	
254	Heaps & Hashing	Check for palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
255	Heaps & Hashing	Length of the largest subarray with contiguous elements	Amazon Intuit Microsoft	
256	Heaps & Hashing	Palindrome Substring Queries	Amazon Morgan Stanley Ola Cabs SAP Labs	
257	Heaps & Hashing	Subarray distinct elements	Microsoft + Ola + eBay	
258	Heaps & Hashing	Find the recurring function	MAQ Software	
259	Heaps & Hashing	K maximum sum combinations from two arrays	Amazon	
260	Graphs	BFS	Samsung + Delhivery + SAP Labs	
261	Graphs	DFS	Samsung + Intuit + Goldman Sachs	
262	Graphs	Flood Fill Algorithm	Google + Adobe + Apple	
263	Graphs	Number of Triangles	IBM	
264	Graphs	Detect cycle in a graph	Lenksart	
265	Graphs	Detect cycle in an undirected graph	Samsung	
266	Graphs	Rat in a Maze Problem	Sharechat + Directi	
267	Graphs	Steps by Knight	Samsung	
268	Graphs	Clone graph	Google + MAQ Software + Apple + Facebook	
269	Graphs	Number of Operations to Make Network Connected	Samsung	
270	Graphs	Dijkstra's shortest path algorithm	Amazon	
271	Graphs	Topological Sort	Amazon + Google + Flipkart + Oyo + Fipkart + Samsung	
272	Graphs	Oliver and the Game	Sharechat + Directi	
273	Graphs	Minimum time taken by each job to be completed given by a Directed Acyclic Graph	Amazon	
274	Graphs	Find whether it is possible to finish all tasks or not from given dependencies	Directi + Sharechat	
275	Graphs	Find the number of islands	Razorpay	
276	Graphs	Prim's Algo	Visa	
277	Graphs	Negative Weighted Cycle	Amazon	
278	Graphs	Floyd Warshall	Google + Uber	
279	Graphs	Graph Coloring	Morgan Stanley	
280	Graphs	Snakes and Ladders	Goldman Sachs +Makemytrip	

281	Graphs	Kosaraju's Theorem	Paytm	
282	Graphs	Journey to moon	Lenksart + Payload	
283	Graphs	Vertex Cover	Intuit	
284	Graphs	M Coloring Problem	Uber	
285	Graphs	Cheapest Flights Within K Stops	Uber + Paypal	
286	Graphs	Find if there is a path of more than k length from a source	Cisco + Intuit	
287	Graphs	Bellman Ford	Sharechat + Directi	
288	Graphs	Bipartitie Graph	Microsoft Flipkart	
289	Graphs	Word-Ladder	Microsoft	
290	Graphs	Allen Dictionary	Samsung	
291	Graphs	Kruskals MST	Amazon Cisco Samsung	Important
292	Graphs	Total number spanning trees graph	Amazon Cisco Samsung Microsoft Flipkart	
293	Graphs	Travelling Salesman	Google + Microsoft + Opera	Important
294	Graphs	Find longest path directed acyclic graph	Google	
295	Graphs	Two Clique Problem	Microsoft	
296	Graphs	Minimise the cash flow	Intuit + Uber	
297	Graphs	Chinese postman	Intuit	
298	Graphs	Water Jug	Intuit + Uber	
299	Graphs	Water Jug 2	MakeMyTrip MAQ Software	
300	Tries	Construct a trie from scratch	Accolite Amazon D-E-Shaw FactSet Microsoft	
301	Tries	Print unique rows in a given boolean matrix	Amazon Zoho	
302	Tries	Word Break Problem I (Trie solution)	Amazon Google Hike IBM MAQ Software Microsoft Walmart Zoho	
303	Tries	Given a sequence of words, print all anagrams together	Amazon D-E-Shaw Goldman Sachs Morgan Stanley Snapdeal Microsoft	
304	Tries	Find shortest unique prefix for every word in a given list	Microsoft Google	
305	Tries	Implement a Phone Directory	Amazon + Microsoft + Snapdeal	
306	DP	Knapsack with Duplicate Items	Amazon	
307	DP	BBT counter	Microsoft	
308	DP	Reach a given score	Samsung	
309	DP	Maximum difference of zeros and ones in binary string	Ola	
310	DP	Climbing Stairs	Intuit	
311	DP	Permutation Coefficient	Amazon	
312	DP	Longest Repeating Subsequence	Google + Amazon	
313	DP	Pairs with specific difference	Ola	
314	DP	Longest subsequence-1	Amazon	
315	DP	Coin Change	Microsoft+ Samsung + Barclays + Apple + Adobe	
316	DP	LIS	Amazon + Google + Facebook + Fidelity International	
317	DP	Longest Common Subsequence	Siemens + Amazon + Google	
318	DP	Word Break	Amazon + Google + Microsoft + Walmart + Apple + IBM	
319	DP	Combination Sum IV	Adobe Amazon Microsoft	
320	DP	House Robber	Apple + Uber	
321	DP	Houe Robber 2	Arrays Dynamic Programming	
322	DP	Decode Ways	Adobe + Uber	
323	DP	Unique Paths	Google + Microsoft	
324	DP	Jumps Game	Facebook Amazon Microsoft Google	
325	DP	Knapsack Problem	Amazon Directi Flipkart GreyOrange Microsoft Mobicip Morgan Stanley Oracle I	
326	DP	nCr	Google	
327	DP	Catalan Number	Amazon + Google	
328	DP	Edit Distance	Google + Goldman Sachs + Citrix	
329	DP	Subset Sum	Amazon + Google	
330	DP	Gold mine	Samsung	
331	DP	Assembly Line Scheduling	Goldman Sachs	
332	DP	Maximize The Cut Segments	Amazon OYO Rooms Microsoft	
333	DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft	
334	DP	Count all subsequences having product less than K	Goldman Sachs	
335	DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft	
336	DP	Egg dropping puzzle	Amazon D-E-Shaw Goldman Sachs Google Hike MakeMyTrip MAQ Software My	
337	DP	Max length chain	Amazon Microsoft	
338	DP	Largest Square in Matrix	Amazon Samsung	
339	DP	Maximum Path Sum	Amazon + Microsoft + Oyo + Directi	
340	DP	Minimum Number of Jumps	Adobe Amazon Housing.com Moonfrog Labs Walmart Microsoft Google Flipkar	
341	DP	Minimum removals from array to make max – min <= K	Amazon	
342	DP	Longest Common Substring	Webarch Club	
343	DP	Partition Equal Subset Sum	Amazon + Accolite + Traveloca + Adobe	
344	DP	Longest Palindromic Subsequence	Amazon Google	
345	DP	Count Palindromic Subsequences	Myntra	
346	DP	Longest Palindromic Substring	Amazon + Microsoft + Samsung + Visa	
347	DP	Longest Alternating Sequence	Ola	
348	DP	Weighted Job Scheduling	Intuit	
349	DP	Coin Game	Salesforce	
350	DP	Coin Game Winner	Ola	
351	DP	Optimal Strategy for a game	Google + IBM	
352	DP	Word Wrap	Microsoft	
353	DP	Mobile numeric keypad	Amazon Microsoft	
354	DP	Maximum Length of Pair Chain	Amazon Microsoft	
355	DP	Matrix Chain Multiplication	Walmart + Flipkart	
356	DP	Maximum profit by buying and selling a share at most twice	Accolite Amazon Microsoft	
357	DP	Optimal BST	Google	
358	DP	Largest Submatrix with sum 0	Amazon MakeMyTrip Microsoft	
359	DP	Largest area rectangular sub-matrix with equal number of 1's and 0's	Amazon Directi Intuit MakeMyTrip Microsoft Samsung Google Flipkart	
360	Bit Manipulation	Count set bits in an integer	Adobe Apple	
361	Bit Manipulation	Find the two non-repeating elements in an array of repeating elements	Accolite Amazon FactSet Google MakeMyTrip Microsoft Qualcomm Samsung	
362	Bit Manipulation	Program to find whether a no is power of two	Adobe	
363	Bit Manipulation	Find position of the only set bit	Microsoft	
364	Bit Manipulation	Count number of bits to be flipped to convert A to B	Maq Software	
365	Bit Manipulation	Count total set bits in all numbers from 1 to n	Microsoft	
366	Bit Manipulation	Copy set bits in a range	Facebook	
367	Bit Manipulation	Calculate square of a number without using *, / and pow()	Amazon	
368	Bit Manipulation	Divide two integers without using multiplication, division and mod operator	Microsoft	
369	Bit Manipulation	Power Set	Google + Adobe + Paytm	
370	Segment Trees	Range Sum Query - Immutable		
371	Segment Trees	Range Minimum Query	Google Interview Qs	
372	Segment Trees	Range Sum Query - Mutable	Alibaba	
373	Segment Trees	Create Sorted Array through Instructions	Samsung + Accolite	
374	Segment Trees	Count of Range Sum	Walmart	
375	Segment Trees	Count of Smaller Numbers After Self	Codenation Google	