

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			
	Hard	Ideal Time : 40-60 mins (based on Qs) 88 Qs	5 Questions each Day		
Code	Topics	Question (375)	Companies	Remarks	
10-001	Arrays	Maximum and Minimum Element in an Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe		
10-002		Reverse the Array	Infosys Moonfrog Labs		
10-003		Maximum-Subarray	Microsoft + Facebook Interview Qs	use Kadane's Algorithm	
10-004		Contains Duplicate	Amazon Interview Qs		
10-005		Chocolate Distribution Problem	Amazon Interview Qs		
10-006	Arrays	Search an Element in a Sorted and Pivoted Array	Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Paytm		
10-007	Arrays	Next Permutation	Uber + Goldman Sachs + Adobe Interview Qs		
10-008		Best time to Buy and Sell Stock	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft Ola Cabs Oracle Paytm Pubmatic Quikr Salesforce Sapient Swiggy Walmart Media.net Google		
10-009		Repeat and Missing Number Array	Amazon Interview Qs		
10-010		Kth-Largest Element in an Array	Amazon Microsoft Walmart Adobe		
10-011		Trapping Rain Water	Samsung Interview Qs		
10-012	Arrays	Product of Array Except Self	Microsoft + Facebook Interview Qs		
10-013	Arrays	Maximum Product Subarray	Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google		
10-014		Find Minimum in Rotated Sorted Array	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet		
10-015		Search in Rotated Sorted Array	Microsoft + Google + Apple Interview Qs		
10-016		3Sum	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet		
10-017		Container With Most Water	Flipkart + Dunzo Interview Qs		
10-018	Arrays	Given Sum Pair	Infosys + Amazon + Flipkart Interview Qs		
10-019	Arrays	Kth - Smallest Element	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe		
10-020		Merge Overlapping Intervals	Google Interview Qs		
10-021		Find Minimum Number of Merge Operations to Make an Array Palindrome	Amazon		
10-022		Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Barclays Interview Qs		
10-023		Space Optimization Using Bit Manipulations	Amazon		
10-024	Arrays	Subarray Sum Divisible K	Snapdeal Microsoft		
10-025	Arrays	Print all Possible Combinations of r Elements in a Given Array of Size n	Amazon		
10-026	Arrays	Mo's Algorithm	Microsoft		
15-001	Strings	Valid Palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho		
15-002		Valid Anagram	Nagarro Media.net Directi Google Adobe Flipkart		
15-003		Valid parentheses	Google Interview Qs	use Stacks (if possible)	
15-004		Remove Consecutive Characters	Samsung + Adobe		
15-005		Longest Common Prefix	Adobe + Grofers + Dunzo Interview Qs		
15-006	Strings	Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence	Adobe		
15-007	Strings	Print all the Duplicates in the Input String	Ola + Amdocs IQ		
15-008		Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ		
15-009		Longest Repeating Character Replacement	Amazon Google		
15-010		Group Anagrams	Samsung + Adobe + Amazon Interview Qs		
15-011		Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ		
15-012	Strings	Palindromic Substrings	Microsoft IQ		
15-013	Strings	Next Permutation	Adobe + Goldman Sachs + Uber		
15-014		Count Palindromic Subsequences	Myntra Interview Qs		
15-015		Smallest Window in a String Containing all the Characters of Another String	Microsoft + Amazon IQ		
15-016		Wildcard String Matching	Microsoft + Amazon + Ola IQ		
15-017		Longest Prefix Suffix	Flipkart + Swiggy IQ		
15-018	Strings	Rabin-Karp Algorithm for Pattern Searching	Microsoft		
15-019	Strings	Transform One String to Another using Minimum Number of Given Operation	Directi		
15-020		Minimum Window Substring	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atlassian Flipkart		
15-021		Boyer Moore Algorithm for Pattern Searching	Amdocs		
15-022		Word Wrap	Microsoft	use Dynaming Programming	
20-001	2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon		
20-002		Set Matrix Zeroes	Amazon Microsoft		
20-003		Spiral Matrix	Flipkart + Apple + Societe Generale IQ		
20-004		Rotate Image	Microsoft Paytm Samsung Adobe		
20-005		Word Search	Google + Ola + Goldman Sachs IQ		
20-006	2D Arrays	Find the Number of Islands Set 1 (Using DFS)	Microsoft + Uber + Apple + Amazon IQ	Read about DFS	
20-007	2D Arrays	Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X'	Google		
20-008		Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix	MAQ Software Microsoft VMWare		
20-009		Create a Matrix with Alternating Rectangles of O and X	MAQ VMWare		
20-010		Maximum Size Rectangle of all 1s	Amazon Microsoft		
25-001	Searching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung		
25-002		counting sort	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems		
25-003		find common elements three sorted arrays	MAQ Software Microsoft VMWare		
25-004		Searching in an array where adjacent differ by at most k	TCS Amazon		
25-005		ceiling in a sorted array	TCS		
25-006	Searching & Sorting	Piar with given difference	Amazon Visa		
25-007	Searching & Sorting	majority element	Amazon+ Google		
25-008		count triplets with sum smaller that a given value	Amazon SAP Labs		
25-009		Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipkart		
25-010		Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Snapdeal Synopsys Zoho		
25-011		Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip		
25-012	Searching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho		
25-013	Searching & Sorting	Radix Sort	Amazon+ Microsoft		

25-014	Searching & Sorting	Product of Array except itself	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart		
25-015	Searching & Sorting	Make all Array Elements Equal	Amazon		
25-016	Searching & Sorting	Check if Reversing a Sub Array Make the Array Sorted	Amazon		
25-017	Searching & Sorting	Find Four Elements that Sum to a Given Value	Adobe Amazon Google Microsoft OYO Rooms		
25-018	Searching & Sorting	Median of Two Sorted Array with Different Size	Amazon Samsung Microsoft Google		
25-019	Searching & Sorting	Median of Stream of Integers Running Integers	Amazon + Google		
25-020	Searching & Sorting	Print Subarrays with 0 Sum	Paytm Adobe		
25-021	Searching & Sorting	Aggressive Cows	Adobe		
25-022	Searching & Sorting	Allocate Minimum number of Pages	Google Infosys Codenation Amazon Microsoft		
25-023	Searching & Sorting	Minimum Swaps to Sort	Amazon + Google		
30-001	Backtracking	Backtracking Set 2 Rat in a Maze	Microsoft Amazon		
30-002	Backtracking	Combinational Sum	Adobe Amazon Microsoft		
30-003	Backtracking	Crossword-Puzzle	Microsoft		
30-004	Backtracking	Longest Possible Route in a Matrix with Hurdles	Microsoft		
30-005	Backtracking	Printing all solutions in N-Queen Problem	Accolite Amazon Amdocs D-E-Shaw MAQ Software Twitter Visa Microsoft		
30-006	Backtracking	Solve the Sudoku	Amazon Directi Flipkart MakeMyTrip MAQ Software Microsoft Ola Cabs Oracle PayPal Zoho		
30-007	Backtracking	Partition Equal Subset Sum	Amazon + Adobe + Accolite + Traveloka		
30-008	Backtracking	M Coloring Problem	Amazon		
30-009	Backtracking	Knight Tour	IBM		
30-010	Backtracking	Sudoku	Amazon + Adobe + Accolite + Traveloka		
30-011	Backtracking	Remove Invalid Parentheses	Uber		
30-012	Backtracking	Word Break Problem using Backtracking			
30-013	Backtracking	Print all Palindromic Partitions of a String	Facebook Amazon Microsoft		
30-014	Backtracking	Find Shortest Safe Route in a Path with Landmines	Facebook Amazon Microsoft		
30-015	Backtracking	Partition of Set into K Subsets with Equal Sum	Amazon		
30-016	Backtracking	Backtracking set-7 hamiltonian cycle	Amazon		
30-017	Backtracking	tug-of-war	Google		
30-018	Backtracking	Maximum Possible Number by doing at most K swaps	Amazon + Adobe + Accolite + Traveloka		
30-019	Backtracking	Backtracking set-8 solving cryptarithmic puzzles	Goldman Sachs		
30-020	Backtracking	Find paths from corner cell to middle cell in maze	Meta		
30-021	Backtracking	Arithmetic Expressions	Flipkart		
35-001	Linked List	Reverse Linked List	Sprinkl Accolite Amazon D-E-Shaw Hike Lybrate Mahindra		
35-002	Linked List	Linked List Cycle	Comviva MakeMyTrip MAQ Software OYO Rooms Paytm Qualcomm Samsung SAP Labs Snapdeal		
35-003	Linked List	Merge Two Sorted Lists	Veritas VMWare Walmart Adobe Accolite Amazon Belzabar Brocade FactSet Flipkart		
35-004	Linked List	Delete without Head node	MakeMyTrip Microsoft OATS Systems Oracle Samsung Synopsys Zoho		
35-005	Linked List	Remove duplicates from an unsorted linked list	Amazon Goldman Sachs Kritikal Solutions Microsoft		
35-006	Linked List	Sort a linked list of 0s-1s-or-2s	Samsung Visa		
35-007	Linked List	Multiply two numbers represented linked lists	Amazon Intuit		
35-008	Linked List	Remove nth node from end of list	Microsoft Amazon MakeMyTrip		
35-009	Linked List	Reorder List	Amazon		
35-010	Linked List	Detect and remove loop in a linked list	Accolite Adobe Amazon Citicorp Epic Systems FactSet Hike MAQ Software Monotype Solutions Morgan Stanley OYO Rooms Qualcomm Samsung Snapdeal Flipkart		
35-011	Linked List	Write a Function to get the Intersection Point of two Linked Lists	Amazon Microsoft OYO Rooms Intuit		
35-012	Linked List	Flatten a linked list with next and child pointers	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra		
35-013	Linked List	Linked list in zig-zag fashion	Comviva MakeMyTrip MAQ Software OYO Rooms		
35-014	Linked List	Reverse a doubly linked list	Paytm Qualcomm Samsung SAP Labs Snapdeal		
35-015	Linked List	Delete nodes which have a greater value on right side	Veritas VMWare Walmart Adobe		
35-016	Linked List	Segregate even and odd Elements in a Linked List	Amazon		
35-017	Linked List	Point to next higher value node in a linked list with an Arbitrary Pointer	Walmart		
35-018	Linked List	Rearrange a given linked list in place	GeekyAnts		
35-019	Linked List	Sort Biotonic Doubly Linked Lists	Ola Uber		
35-020	Linked List	Merge K Sorted Lists	Morgan Stanley		
35-021	Linked List	Merge sort for linked list	Microsoft+ Ola+ eBay		
35-022	Linked List	Quicksort on singly-linked list	Accolite Adobe Amazon MAQ Software Microsoft Paytm Veritas	Important	
35-023	Linked List	Sum of two linked lists	Paytm	Important	
35-024	Linked List	Flattening a linked list	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Snapdeal 24*7 Innovation Labs Amazon Drishti-Soft Flipkart Goldman Sachs Microsoft Paytm Payu Qualcomm Snapdeal Visa		
35-025	Linked List	Clone a linked list with next and random Pointer	Triology		
35-026	Linked List	Subtract two numbers represented as linked lists	Amazon Goldman Sachs		
40-001	Stacks & Queues	Implement two stacks in an Array	24*7 Innovation Labs Microsoft Samsung Snapdeal		
40-002	Stacks & Queues	Evaluation of Postfix Expression	Amazon + Google + Facebook		
40-003	Stacks & Queues	Implement Stack using Queues	Facebook		
40-004	Stacks & Queues	Queue Reversal	Amazon + Morgain Stanley		
40-005	Stacks & Queues	Implement Stack Queue using Deque	Microsoft +Atlassian		
40-006	Stacks & Queues	Reverse first k elements of queue	Microsoft + Amdocs		
40-007	Stacks & Queues	Design Stack with Middle Operation	MaQ Software		
40-008	Stacks & Queues	Infix to Postfix	Amazon + Samsung + Paytm + Vmware inc		
40-009	Stacks & Queues	Design and Implement Special stack	Amazon Google Microsoft Visa Goldman Sachs		
40-010	Stacks & Queues	Longest Valid String	Google Microsoft		
40-011	Stacks & Queues	Find if an expression has duplicate parenthesis or not	Flipkart Oracle OYO Rooms Snapdeal Walmart Yatra.com Microsoft Google		
40-012	Stacks & Queues	Stack permutations check if an array is stack permutation of other	Visa		
40-013	Stacks & Queues	Count natural numbers whose permutation greater number	Amazon		
40-014	Stacks & Queues	Sort a stack using Recursion	Amazon Goldman Sachs IBM Intuit Kuliza Yahoo		
40-015	Stacks & Queues	Queue based approach for first non repeating character in a stream	Microsoft		
40-016	Stacks & Queues	The Celebrity Problem	Microsoft Flipkart		
40-017	Stacks & Queues	Next larger Element	Google + Visa + Apple		
40-018	Stacks & Queues	Distance of nearest cell	Visa		
40-019	Stacks & Queues	Rotten-oranges	Flipkar + Facebook		
40-020	Stacks & Queues	Next smaller element	Facebook		
40-021	Stacks & Queues	Circular-tour	Codenation		
			Codenation Flipkart		

40-022	Stacks & Queues	Efficiently implement k-stacks single array	Flipkart		
40-023	Stacks & Queues	The celebrity problem	Google + Visa + Apple		
40-024	Stacks & Queues	Iterative tower of hanoi	Microsoft Flipkart		
40-025	Stacks & Queues	Find the maximum of minimums for every window size in a given array	Amazon Microsoft Flipkart		
40-026	Stacks & Queues	lru cache implementation	Microsoft + Uber + Alibaba		
40-027	Stacks & Queues	Find a tour that visits all stations	Uber		
45-001	Greedy	Activity selection problem greedy algo	Facebook Morgan Stanley Flipkart		
45-002	Greedy	Greedy algorithm to find minimum number of coins	Accolite Amazon Morgan Stanley Oracle Paytm Samsung Snapdeal Synopsys Visa Microsoft Google		
45-003	Greedy	Minimum sum two numbers formed digits array-2	Google		
45-004	Greedy	Minimum sum absolute difference pairs two arrays	Amazon		
45-005	Greedy	Find maximum height pyramid from the given array of objects	Flipkart Amazon		
45-006	Greedy	Minimum cost for acquiring all coins with k extra coins allowed with every coin			
45-007	Greedy	Find maximum equal sum of every three stacks	Microsoft Amazon Flipkart		
45-008	Greedy	Job sequencing problem	Microsoft + Acolite		
45-009	Greedy	Greedy algorithm egyptian fraction			
45-010	Greedy	Fractional knapsack problem	Microsoft		
45-011	Greedy	Maximum length chain of pairs	Amazon Microsoft		
45-012	Greedy	Find smallest number with given number of digits and digit sum	MAQ Software OYO Rooms		
45-013	Greedy	Maximize sum of consecutive differences circular-array	Maccafe		
45-014	Greedy	paper-cut minimum number squares	Google		
45-015	Greedy	Lexicographically smallest array-k consecutive swaps	Amazon		
45-016	Greedy	Problems-CHOCOLA	Flipkart		
45-017	Greedy	Find minimum time to finish all jobs with given constraints			
45-018	Greedy	Job sequencing using disjoint set union	Samsung		
45-019	Greedy	Rearrange characters string such that no two adjacent are same	Amazon Microsoft		
45-020	Greedy	Minimum edges to reverse to make path from a source to a destination			
45-021	Greedy	Minimize Cash Flow among a given set of friends who have borrowed money from each other			
45-022	Greedy	Minimum Cost to cut a board into squares	Maccafe		
50-001	Binary Trees	Maximum Depth of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTrip		
50-002	Binary Trees	Reverse Level Order Traversal	Amazon + Microsoft + flipkart + Adobe		
50-003	Binary Trees	Subtree of Another Tree	Amazon + Microsoft + Facebook		
50-004	Binary Trees	Invert Binary Tree	Amazon Hike		
50-005	Binary Trees	Binary Tree Level Order Traversal	Accolite Adobe Amazon Cisco D-E-Shaw Flipkart		
50-006	Binary Trees	Left View of Binary Tree	Microsoft + Adobe + Cisco Networking Academy		
50-007	Binary Trees	Right View of Binary Tree	Amdocs		
50-008	Binary Trees	ZigZag Tree Traversal	Amazon Cisco FactSet Hike Snapdeal Walmart Microsoft Flipkart		
50-009	Binary Trees	Create a mirror tree from the given binary tree	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanley Myntra Ola Cabs Paytm		
50-010	Binary Trees	Leaf at same level	Amazon		
50-011	Binary Trees	Check for Balanced Tree	Amazon Walmart Microsoft		
50-012	Binary Trees	Transform to Sum Tree	Amazon FactSet Microsoft Samsung Walmart		
50-013	Binary Trees	Check if Tree is Isomorphic	Amazon Microsoft		
50-014	Binary Trees	Same Tree	Amazon Microsoft Flipkart		
50-015	Binary Trees	Construct Binary Tree from Preorder and Inorder Traversal	Accolite Amazon Microsoft		
50-016	Binary Trees	Height of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTrip		
50-017	Binary Trees	Diameter of a Binary Tree	Amazon Microsoft OYO Rooms		
50-018	Binary Trees	Top View of Binary Tree	Microsoft + Adobe + Expedia Group		
50-019	Binary Trees	Bottom View of Binary Tree	DE Shaw India		
50-020	Binary Trees	Diagonal Traversal of Binary Tree	Amazon Microsoft		
50-021	Binary Trees	Boundary Traversal of binary tree	Accolite Amazon FactSet Hike Kritikal Solutions Microsoft Morgan Stanley OYO Rooms Payu		
50-022	Binary Trees	Construct Binary Tree from String with Brackets	Samsung Snapdeal Flipkart		
50-023	Binary Trees	Minimum swap required to convert binary tree to binary search tree	Adobe Amazon		
50-024	Binary Trees	Duplicate subtree in Binary Tree	Google		
50-025	Binary Trees	Check if a given graph is tree or not	Microsoft Amazon		
50-026	Binary Trees	Lowest Common Ancestor in a Binary Tree	Accolite Amazon American Express Cisco Expedia Flipkart MakeMyTrip Microsoft OYO Room		
50-027	Binary Trees	Min distance between two given nodes of a Binary Tree	Amazon Linkedin MakeMyTrip Ola Cabs Qualcomm Samsung		
50-028	Binary Trees	Duplicate Subtrees	Ola		
50-029	Binary Trees	Kth ancestor of a node in binary tree	Josh Technology Group		
50-030	Binary Trees	Binary Tree Maximum Path Sum	Samsung + Facebook		
50-031	Binary Trees	Serialize and Deserialize Binary Tree	Flipkart InMobi Linkedin MAQ Software Microsoft Paytm Quikr Yahoo		
50-032	Binary Trees	Binary Tree to DLL	Accolite Amazon Goldman Sachs Microsoft Morgan Stanley Salesforce Snapdeal		
50-033	Binary Trees	Print all k-sum paths in a binary tree	Accolite Amazon Goldman Sachs		
55-001	Binary Search Trees	Lowest Common Ancestor of a Binary Search Tree	Accolite Amazon Flipkart MAQ Software Microsoft Samsung Synopsys		
55-002	Binary Search Trees	Binary Search Tree Set 1 (Search and Insertion)	Accolite Amazon Microsoft Paytm Samsung		
55-003	Binary Search Trees	Minimum element in BST	Microsoft		
55-004	Binary Search Trees	Predecessor and Successor	Google + Adobe + Goladman Sachs + Direct		
55-005	Binary Search Trees	Check whether BST contains Dead End	Walmart		
55-006	Binary Search Trees	Binary Tree to BST	HSBC		
55-007	Binary Search Trees	Kth largest element in BST	Accolite Amazon Samsung SAP Labs Microsoft		
55-008	Binary Search Trees	Validate Binary Search Tree	OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Facebook		
55-009	Binary Search Trees	Kth Smallest Element in a BST	Accolite Amazon Google		
55-010	Binary Search Trees	Delete Node in a BST	Adobe Barclays		
55-011	Binary Search Trees	Flatten BST to sorted list	Microsoft		
55-012	Binary Search Trees	Preorder to Postorder	Amazon Linkedin Flipkart		
55-013	Binary Search Trees	Count BST nodes that lie in a given range	D-E-Shaw Google		
55-014	Binary Search Trees	Populate Inorder Successor for all Nodes	Sap labs		
55-015	Binary Search Trees	Convert Normal BST to Balanced BST	Paytm		
55-016	Binary Search Trees	Merge two BSTs	DE Shaw India		
55-017	Binary Search Trees	Given n appointments, find all conflicting appointments	Samsung		
55-018	Binary Search Trees	Replace every element	Samsung		
55-019	Binary Search Trees	Construct BST from given preorder traversal	Adobe Morgan Stanley Microsoft		
55-020	Binary Search Trees	Find median of BST in O(n) time and O(1) space	Amazon		
55-021	Binary Search Trees	Largest BST in a Binary Tree	Amazon D-E-Shaw Samsung Microsoft Flipkart	Important	
60-001	Heaps & Hashing	Choose k array elements such that difference of maximum and minimum is minimized			
60-002	Heaps & Hashing	Heap Sort	Adobe		
60-003	Heaps & Hashing	Top K Frequent Elements	Amazon Microsoft		

60-004	Heaps & Hashing	k largest elements in an array	Amazon Microsoft Walmart Adobe		
60-005	Heaps & Hashing	Next Greater Element	Amazon + Microsoft + Flipkart + Adobe		
60-006	Heaps & Hashing	K'th Smallest/Largest Element in Unsorted Array	ABCO Accolite Amazon Cisco Hike Microsoft		
60-007	Heaps & Hashing	Find the maximum repeating number in O(n) time and O(1) extra space	Snapdeal VMWare Google Adobe		
60-008	Heaps & Hashing	K-th smallest element after removing some integers from natural numbers	Accolite Amazon		
60-009	Heaps & Hashing	Find k closest elements to a given value	ABCO Accolite Amazon Cisco Hike Microsoft		
60-010	Heaps & Hashing	Find k closest elements to a given value	Snapdeal VMWare Google Adobe		
60-011	Heaps & Hashing	Find k closest elements to a given value	Amazon OYO Rooms		
60-012	Heaps & Hashing	K'th largest element in a stream	Amazon Cisco Hike OYO		
60-013	Heaps & Hashing	Connect Ropes	Rooms Walmart Microsoft Flipkart		
60-014	Heaps & Hashing	Cuckoo Hashing	Amazoon + Oyo + Goldman Sachs		
60-015	Heaps & Hashing	Itinerary from a List of Tickets	Amaxon		
60-016	Heaps & Hashing	Largest Subarray with 0 Sum	Microsoft + Ola + eBay		
60-017	Heaps & Hashing	Count distinct elements in every window of size k	Amazon MakeMyTrip Microsoft		
60-018	Heaps & Hashing	Group Shifted Strings	Accolite Amazon Microsoft		
60-019	Heaps & Hashing	Merge K Sorted lists	Oracle		
60-020	Heaps & Hashing	Find Median from Data Stream	Microsoft + Ola + eBay		
60-021	Heaps & Hashing	Sliding Window Maximum	Adobe Amazon Apple Belzabar D-E-Shaw Facebook		
60-022	Heaps & Hashing	Find the smallest positive number	Flipkart Google Intuit Microsoft Morgan Stanley Ola		
60-023	Heaps & Hashing	Find Surpasser Count of each element in array	Cabs Oracle Samsung SAP Labs Yahoo		
60-024	Heaps & Hashing	Tournament Tree and Binary Heap	Amazon Directi Flipkart Microsoft Google		
60-025	Heaps & Hashing	Check for palindrome	Accolite Amazon Samsung Snapdeal		
60-026	Heaps & Hashing	Length of the largest subarray with contiguous elements	Amazon Morgan Stanley Ola Cabs SAP Labs		
60-027	Heaps & Hashing	Palindrome Substring Queries	Amazon Ola Cabs Samsung Synopsys Walmart		
60-028	Heaps & Hashing	Subarray distinct elements	Microsoft		
60-029	Heaps & Hashing	Find the recurring function	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho		
60-030	Heaps & Hashing	K maximum sum combinations from two arrays	Amazon Intuit Microsoft		
65-001	Graphs	BFS	Amazon Morgan Stanley Ola Cabs SAP Labs		
65-002	Graphs	DFS	Amazon Ola Cabs Samsung Synopsys Walmart		
65-003	Graphs	Flood Fill Algorithm	Microsoft		
65-004	Graphs	Number of Triangles	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho		
65-005	Graphs	Detect cycle in a graph	Amazon Intuit Microsoft		
65-006	Graphs	Detect cycle in an undirected graph	Amazon Morgan Stanley Ola Cabs SAP Labs		
65-007	Graphs	Rat in a Maze Problem	Microsoft + Ola + eBay		
65-008	Graphs	Steps by Knight	MAQ Software		
65-009	Graphs	Clone graph	Amazon		
65-010	Graphs	Number of Operations to Make Network Connected			
65-011	Graphs	Dijkstra's shortest path algorithm			
65-012	Graphs	Topological Sort			
65-013	Graphs	Oliver and the Game			
65-014	Graphs	Minimum time taken by each job to be completed given by a Directed Acyclic Graph			
65-015	Graphs	Find whether it is possible to finish all tasks or not from given dependencies			
65-016	Graphs	Find the number of islands			
65-017	Graphs	Prim's Algo			
65-018	Graphs	Negative Weighted Cycle			
65-019	Graphs	Floyd Warshall			
65-020	Graphs	Graph Coloring			
65-021	Graphs	Snakes and Ladders			
65-022	Graphs	Kosaraju's Theorem			
65-023	Graphs	Journey to moon			
65-024	Graphs	Vertex Cover			
65-025	Graphs	M Coloring Problem			
65-026	Graphs	Cheapest Flights Within K Stops			
65-027	Graphs	Find if there is a path of more than k length from a source			
65-028	Graphs	Bellman Ford			
65-029	Graphs	Bipartite Graph			
65-030	Graphs	Word-Ladder			
65-031	Graphs	Allen Dictionary			
65-032	Graphs	Kruskals MST			
65-033	Graphs	Total number spanning trees graph			
65-034	Graphs	Travelling Salesman			
65-035	Graphs	Find longest path directed acyclic graph			
65-036	Graphs	Two Clique Problem			
65-037	Graphs	Minimise the cash flow			
65-038	Graphs	Chinese postman			
65-039	Graphs	Water Jug			
65-040	Graphs	Water Jug 2			
70-001	Tries	Construct a trie from scratch			
70-002	Tries	Print unique rows in a given boolean matrix			
70-003	Tries	Word Break Problem (Trie solution)			
70-004	Tries	Given a sequence of words, print all anagrams together			
70-005	Tries	Find shortest unique prefix for every word in a given list			
70-006	Tries	Implement a Phone Directory			
75-001	DP	Knapsack with Duplicate Items			
75-002	DP	BBT counter			
75-003	DP	Reach a given score			
75-004	DP	Maximum difference of zeros and ones in binary string			
75-005	DP	Climbing Stairs			
75-006	DP	Permutation Coefficient			
75-007	DP	Longest Repeating Subsequence			
75-008	DP	Pairs with specific difference			
75-009	DP	Longest subsequence-1			
75-010	DP	Coin Change			
75-011	DP	LIS			
75-012	DP	Longest Common Subsequence			
75-013	DP	Word Break			
75-014	DP	Combination Sum IV			
75-015	DP	House Robber			
75-016	DP	Houe Robber 2			
75-017	DP	Decode Ways			
75-018	DP	Unique Paths			

75-019	DP	Jumps Game	Facebook Amazon Microsoft Google		
75-020	DP	Knapsack Problem	Amazon Directi Flipkart GreyOrange Microsoft Mobicip Morgan Stanley Oracle Payu Snapdeal Visa		
75-021	DP	nCr	Google		
75-022	DP	Catalan Number	Amazon + Google		
75-023	DP	Edit Distance	Google + Goldman Sachs + Citrix		
75-024	DP	Subset Sum	Amazon + Google		
75-025	DP	Gold mine	Samsung		
75-026	DP	Assembly Line Scheduling	Goldman Sachs		
75-027	DP	Maximize The Cut Segments	Amazon OYO Rooms Microsoft		
75-028	DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft		
75-029	DP	Count all subsequences having product less than K	Goldman Sachs		
75-030	DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft Amazon D-E-Shaw Goldman Sachs Google Hike MakeMyTrip MAQ Software Myntra Nearbuy Opera Oracle Philips Samsung Service Now Unisys VMWare Microsoft		
75-031	DP	Egg dropping puzzle			
75-032	DP	Max length chain	Amazon Microsoft		
75-033	DP	Largest Square in Matrix	Amazon Samsung		
75-034	DP	Maximum Path Sum	Amazon + Microsoft + Oyo + Directi		
75-035	DP	Minimum Number of Jumps	Adobe Amazon Housing.com Moonfrog Labs Walmart Microsoft Google Flipkart		
75-036	DP	Minimum removals from array to make max – min <= K	Amazon		
75-037	DP	Longest Common Substring	Webarch Club		
75-038	DP	Partition Equal Subset Sum	Amazon + Accolite + Traveloca + Adobe		
75-039	DP	Longest Palindromic Subsequence	Amazon Google		
75-040	DP	Count Palindromic Subsequences	Myntra		
75-041	DP	Longest Palindromic Substring	Amazon + Microsoft + Samsung + Visa		
75-042	DP	Longest Alternating Sequence	Ola		
75-043	DP	Weighted Job Scheduling	Intuit		
75-044	DP	Coin Game	Salesforce		
75-045	DP	Coin Game Winner	Ola		
75-046	DP	Optimal Strategy for a game	Google + IBM		
75-047	DP	Word Wrap	Microsoft		
75-048	DP	Mobile numeric keypad	Amazon Microsoft		
75-049	DP	Maximum Length of Pair Chain	Amazon Microsoft		
75-050	DP	Matrix Chain Multiplication	Walmart + Flipkart		
75-051	DP	Maximum profit by buying and selling a share at most twice	Accolite Amazon Microsoft		
75-052	DP	Optimal BST	Google		
75-053	DP	Largest Submatrix with sum 0	Amazon MakeMyTrip Microsoft		
75-054	DP	Largest area rectangular sub-matrix with equal number of 1's and 0's	Amazon Directi Intuit MakeMyTrip Microsoft Samsung Google Flipkart		
80-001	Bit Manipulation	Count set bits in an integer	Adobe Apple		
80-002	Bit Manipulation	Find the two non-repeating elements in an array of repeating elements	Accolite Amazon FactSet Google MakeMyTrip Microsoft Qualcomm Samsung		
80-003	Bit Manipulation	Program to find whether a no is power of two	Adobe		
80-004	Bit Manipulation	Find position of the only set bit	Microsoft		
80-005	Bit Manipulation	Count number of bits to be flipped to convert A to B	Maq Software		
80-006	Bit Manipulation	Count total set bits in all numbers from 1 to n	Microsoft		
80-007	Bit Manipulation	Copy set bits in a range	Facebook		
80-008	Bit Manipulation	Calculate square of a number without using *, / and pow()	Amazon		
80-009	Bit Manipulation	Divide two integers without using multiplication, division and mod operator	Microsoft		
80-010	Bit Manipulation	Power Set	Google + Adobe + Paytm		
85-001	Segment Trees	Range Sum Query - Immutable			
85-002	Segment Trees	Range Minimum Query	Google Interview Qs		
85-003	Segment Trees	Range Sum Query - Mutable	Alibaba		
85-004	Segment Trees	Create Sorted Array through Instructions	Samsung + Accolite		
85-005	Segment Trees	Count of Range Sum	Walmart		
85-006	Segment Trees	Count of Smaller Numbers After Self	Codenation Google		