

DSA by Shradha Ma'am			
	<a href="#">Meet us on Youtube (Apna College)</a>		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
Arrays	<a href="#">Maximum and Minimum Element in an Array</a>	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays	<a href="#">Reverse the Array</a>	Infosys Moonfrog Labs	
Arrays	<a href="#">Maximum-Subarray</a>	Microsoft + Facebook Interview Qs	use Kadane's Algorithm
Arrays	<a href="#">Contains Duplicate    sort</a>	Amazon Interview Qs	
Arrays	<a href="#">Chocolate Distribution Problem</a>	Amazon Interview Qs	
Arrays	<a href="#">Search in Rotated Sorted Array</a>	Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Pay	
Arrays	<a href="#">Next Permutation</a>	Uber + Goldman Sachs + Adobe Interview Qs	
Arrays	<a href="#">Best time to Buy and Sell Stock</a>	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft	
Arrays	<a href="#">Repeat and Missing Number Array</a>	Amazon Interview Qs	
Arrays	<a href="#">Kth-Largest Element in an Array</a>	Amazon Microsoft Walmart Adobe	
Arrays	<a href="#">Trapping Rain Water</a>	Samsung Interview Qs	use auxiliary arrays
Arrays	<a href="#">Product of Array Except Self</a>	Microsoft + Facebook Interview Qs	
Arrays	<a href="#">Maximum Product Subarray</a>	Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google	
Arrays	<a href="#">Find Minimum in Rotated Sorted Array</a>	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
Arrays	<a href="#">Find Pair with Sum in Sorted &amp; Rotated Array</a>	Microsoft + Google + Apple Interview Qs	
Arrays	<a href="#">3Sum</a>	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
Arrays	<a href="#">Container With Most Water</a>	Flipkart + Dunzo Interview Qs	use 2 pointer approach
Arrays	<a href="#">Given Sum Pair</a>	Infosys + Amazon + Flipkart Interview Qs	
Arrays	<a href="#">Kth - Smallest Element</a>	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays	<a href="#">Merge Overlapping Intervals</a>	Google Interview Qs	
Arrays	<a href="#">Find Minimum Number of Merge Operations to Make an Array Palindrome</a>	Amazon	
Arrays	<a href="#">Given an Array of Numbers Arrange the Numbers to Form the Biggest Number</a>	Barclays Interview Qs	
Arrays	<a href="#">Space Optimization Using Bit Manipulations</a>	Amazon	
Arrays	<a href="#">Subarray Sum Divisible K</a>	Snapdeal Microsoft	
Arrays	<a href="#">Print all Possible Combinations of r Elements in a Given Array of Size n</a>	Amazon	
Arrays	<a href="#">Mo's Algorithm</a>	Microsoft	
Strings	<a href="#">Valid Palindrome</a>	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
Strings	<a href="#">Valid Anagram</a>	Nagarro Media.net Directi Google Adobe Flipkart	
Strings	<a href="#">Valid parentheses</a>	Google Interview Qs	use Stacks (if possible)
Strings	<a href="#">Remove Consecutive Characters</a>	Samsung + Adobe	
Strings	<a href="#">Longest Common Prefix</a>	Adobe + Grofers + Dunzo Interview Qs	
Strings	<a href="#">Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence</a>	Adobe	
Strings	<a href="#">Print all the Duplicates in the Input String</a>	Ola + Amdocs IQ	
Strings	<a href="#">Longest Substring without Repeating Characters</a>	Morgan Stanley + Amazon IQ	
Strings	<a href="#">Longest Repeating Character Replacement</a>	Amazon Google	
Strings	<a href="#">Group Anagrams</a>	Samsung + Adobe + Amazon Interview Qs	
Strings	<a href="#">Longest Palindromic Substring</a>	Microsoft + Google + Samsung + Visa IQ	
Strings	<a href="#">Palindromic Substrings</a>	Microsoft IQ	
Strings	<a href="#">Next Permutation</a>	Adobe + Goldman Sachs + Uber	
Strings	<a href="#">Count Palindromic Subsequences</a>	Myntra Interview Qs	
Strings	<a href="#">Smallest Window in a String Containing all the Characters of Another String</a>	Microsoft + Amazon IQ	
Strings	<a href="#">Wildcard String Matching</a>	Microsoft + Amazon + Ola IQ	
Strings	<a href="#">Longest Prefix Suffix</a>	Flipkart + Swiggy IQ	
Strings	<a href="#">Rabin-Karp Algorithm for Pattern Searching</a>	Microsoft	
Strings	<a href="#">Transform One String to Another using Minimum Number of Given Operation</a>	Directi	
Strings	<a href="#">Minimum Window Substring</a>	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atla	
Strings	<a href="#">Boyer Moore Algorithm for Pattern Searching</a>	Amdocs	
Strings	<a href="#">Word Wrap</a>	Microsoft	use Dynaming Programming
2D Arrays	<a href="#">Zigzag (or diagonal) Traversal of Matrix</a>	Amazon	
2D Arrays	<a href="#">Set Matrix Zeroes</a>	Amazon Microsoft	
2D Arrays	<a href="#">Spiral Matrix</a>	Flipkart + Apple + Societe Generale IQ	
2D Arrays	<a href="#">Rotate Image</a>	Microsoft Paytm Samsung Adobe	
2D Arrays	<a href="#">Word Search</a>	Google + Ola + Goldman Sachs IQ	
2D Arrays	<a href="#">Find the Number of Islands   Set 1 (Using DFS)</a>	Microsoft + Uber + Apple + Amazon IQ	Read about DFS
2D Arrays	<a href="#">Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X'</a>	Google	
2D Arrays	<a href="#">Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix</a>	MAQ Software Microsoft VMWare	
2D Arrays	<a href="#">Create a Matrix with Alternating Rectangles of 0 and X</a>	MAQ VMWare	
2D Arrays	<a href="#">Maximum Size Rectangle of all 1s</a>	Amazon Microsoft	
Searching & Sorting	<a href="#">Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K</a>	Samsung	
Searching & Sorting	<a href="#">counting sort</a>	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems	
Searching & Sorting	<a href="#">find common elements three sorted arrays</a>	MAQ Software Microsoft VMWare	
Searching & Sorting	<a href="#">Searching in an array where adjacent differ by at most k</a>	TCS Amazon	
Searching & Sorting	<a href="#">ceiling in a sorted array</a>	TCS	
Searching & Sorting	<a href="#">Piar with given difference</a>	Amazon Visa	
Searching & Sorting	<a href="#">majority element</a>	Amazon+ Google	
Searching & Sorting	<a href="#">count triplets with sum smaller that a given value</a>	Amazon SAP Labs	
Searching & Sorting	<a href="#">Maximum Sum Subsequence with no adjacent elements</a>	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipk	
Searching & Sorting	<a href="#">Merge Sorted Arrays using O(1) Space</a>	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Sr	
Searching & Sorting	<a href="#">Inversion of Array</a>	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip	
Searching & Sorting	<a href="#">Find Duplicates in O(n) Time and O(1) Extra Space</a>	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho	
Searching & Sorting	<a href="#">Radix Sort</a>	Amazon+ Microsoft	
Searching & Sorting	<a href="#">Product of Array except itself</a>	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart	
Searching & Sorting	<a href="#">Make all Array Elements Equal</a>	Amazon	
Searching & Sorting	<a href="#">Check if Reversing a Sub Array Make the Array Sorted</a>	Amazon	
Searching & Sorting	<a href="#">Find Four Elements that Sum to a Given Value</a>	Adobe Amazon Google Microsoft OYO Rooms	
Searching & Sorting	<a href="#">Median of Two Sorted Array with Different Size</a>	Amazon Samsung Microsoft Google	
Searching & Sorting	<a href="#">Median of Stream of Integers Running Integers</a>	Amazon + Google	
Searching & Sorting	<a href="#">Print Subarrays with 0 Sum</a>	Paytm Adobe	
Searching & Sorting	<a href="#">Aggressive Cows</a>	Adobe	
Searching & Sorting	<a href="#">Allocate Minimum number of Pages</a>	Google Infosys Codenation Amazon Microsoft	
Searching & Sorting	<a href="#">Minimum Swaps to Sort</a>	Amazon + Google	

Backtracking	<a href="#">Backtracking Set 2 Rat in a Maze</a>	Microsoft Amazon	
Backtracking	<a href="#">Combinational Sum</a>	Adobe Amazon Microsoft	
Backtracking	<a href="#">Crossword-Puzzle</a>	Microsoft	
Backtracking	<a href="#">Longest Possible Route in a Matrix with Hurdles</a>	Microsoft	
Backtracking	<a href="#">Printing all solutions in N-Queen Problem</a>	Accolite Amazon Amdocs D-E-Shaw MAQ Software Twitter Visa Microsoft	
Backtracking	<a href="#">Solve the Sudoku</a>	Amazon Directi Flipkart MakeMyTrip MAQ Software Microsoft Ola Cabs Oracle F	
Backtracking	<a href="#">Partition Equal Subset Sum</a>	Amazon + Adobe + Accolite + Traveloka	
Backtracking	<a href="#">M Coloring Problem</a>	Amazon	
Backtracking	<a href="#">Knight Tour</a>	IBM	
Backtracking	<a href="#">Sudoku</a>	Amazon + Adobe + Accolite + Traveloka	
Backtracking	<a href="#">Remove Invalid Parentheses</a>	Uber	
Backtracking	<a href="#">Word Break Problem using Backtracking</a>		
Backtracking	<a href="#">Print all Palindromic Partitions of a String</a>	Facebook Amazon Microsoft	
Backtracking	<a href="#">Find Shortest Safe Route in a Path with Landmines</a>	Facebook Amazon Microsoft	
Backtracking	<a href="#">Partition of Set into K Subsets with Equal Sum</a>	Amazon	
Backtracking	<a href="#">Backtracking_set-7 hamiltonian cycle</a>	Amazon	
Backtracking	<a href="#">tug-of-war</a>	Google	
Backtracking	<a href="#">Maximum Possible Number by doing at most K swaps</a>	Amazon + Adobe + Accolite + Traveloka	
Backtracking	<a href="#">Backtracking_set-8 solving cryptarithmic puzzles</a>	Goldman Sachs	
Backtracking	<a href="#">Find paths from corner cell to middle cell in maze</a>	Meta	
Backtracking	<a href="#">Arithmetic Expressions</a>	Flipkart	
Linked List	<a href="#">Reverse Linked List</a>	Sprinklr	
Linked List	<a href="#">Linked List Cycle</a>	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ S	
Linked List	<a href="#">Merge Two Sorted Lists</a>	Accolite Amazon Belzabar Brocade FactSet Flipkart MakeMyTrip Microsoft OAT	
Linked List	<a href="#">Delete without Head node</a>	Amazon Goldman Sachs Kritikal Solutions Microsoft Samsung Visa	
Linked List	<a href="#">Remove duplicates from an unsorted linked list</a>	Amazon Intuit	
Linked List	<a href="#">Sort a linked list of 0s-1s-or-2s</a>	Microsoft Amazon MakeMyTrip	
Linked List	<a href="#">Multiply two numbers represented linked lists</a>	Amazon	
Linked List	<a href="#">Remove nth node from end of list</a>	Accolite Adobe Amazon Citicorp Epic Systems FactSet Hike MAQ Software Mon	
Linked List	<a href="#">Reorder List</a>	Amazon Microsoft OYO Rooms Intuit	
Linked List	<a href="#">Detect and remove loop in a linked list</a>	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ S	
Linked List	<a href="#">Write a Function to get the Intersection Point of two Linked Lists</a>	Amazon	
Linked List	<a href="#">Flatten a linked list with next and child pointers</a>	Google	
Linked List	<a href="#">Linked list in zig-zag fashion</a>	Micorsoft	
Linked List	<a href="#">Reverse a doubly linked list</a>	Walmart	
Linked List	<a href="#">Delete nodes which have a greater value on right side</a>	Amazon	
Linked List	<a href="#">Segregate even and odd Elements in a Linked List</a>	Walmart	
Linked List	<a href="#">Point to next higher value node in a linked list with an Arbitrary Pointer</a>	GeekyAnts	
Linked List	<a href="#">Rearrange a given linked list in place</a>	Ola Uber	
Linked List	<a href="#">Sort Biotonic Doubly Linked Lists</a>	Morgan Stanley	
Linked List	<a href="#">Merge K Sorted Lists</a>	Microsoft+ Ola+ eBay	
Linked List	<a href="#">Merge sort for linked list</a>	Accolite Adobe Amazon MAQ Software Microsoft Paytm Veritas	Important
Linked List	<a href="#">Quicksort on singly-linked list</a>	Paytm	Important
Linked List	<a href="#">Sum of two linked lists</a>	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Sn	
Linked List	<a href="#">Flattening a linked list</a>	24*7 Innovation Labs Amazon Drishti-Soft Flipkart Goldman Sachs Microsoft Pa	
Linked List	<a href="#">Clone a linked list with next and random Pointer</a>	Triology	
Linked List	<a href="#">Subtract two numbers represented as linked lists</a>	Amazon Goldman Sachs	
Stacks & Queues	<a href="#">Implement two stacks in an Array</a>	24*7 Innovation Labs Microsoft Samsung Snapdeal	
Stacks & Queues	<a href="#">Evaluation of Postfix Expression</a>	Amazon + Google + Facebook	
Stacks & Queues	<a href="#">Implement Stack using Queues</a>	Facebook	
Stacks & Queues	<a href="#">Queue Reversal</a>	Amazon + Morgain Stanley	
Stacks & Queues	<a href="#">Implement Stack Queue using Deque</a>	Microsoft +Atlassian	
Stacks & Queues	<a href="#">Reverse first k elements of queue</a>	Microsoft + Amdocs	
Stacks & Queues	<a href="#">Design Stack with Middle Operation</a>	MaQ Software	
Stacks & Queues	<a href="#">Infix to Postfix</a>	Amazon + Samsung + Paytm + Vmware inc	
Stacks & Queues	<a href="#">Design and Implement Special stack</a>	Amazon Google Microsoft Visa Goldman Sachs	
Stacks & Queues	<a href="#">Longest Valid String</a>	Google Microsoft	
Stacks & Queues	<a href="#">Find if an expression has duplicate parenthesis or not</a>	Flipkart Oracle OYO Rooms Snapdeal Walmart Yatra.com Microsoft Google	
Stacks & Queues	<a href="#">Stack permutations check if an array is stack permutation of other</a>	Visa	
Stacks & Queues	<a href="#">Count natural numbers whose permutation greater number</a>	Amazon	
Stacks & Queues	<a href="#">Sort a stack using Recursion</a>	Amazon Goldman Sachs IBM Intuit Kuliza Yahoo Microsoft	
Stacks & Queues	<a href="#">Queue based approach for first non repeating character in a stream</a>	Microsoft Flipkart	
Stacks & Queues	<a href="#">The Celebrity Problem</a>	Google + Visa + Apple	
Stacks & Queues	<a href="#">Next larger Element</a>	Visa	
Stacks & Queues	<a href="#">Distance of nearest cell</a>	Flipkar + Facebook	
Stacks & Queues	<a href="#">Rotten-oranges</a>	Facebook	
Stacks & Queues	<a href="#">Next smaller element</a>	Codenation	
Stacks & Queues	<a href="#">Circular-tour</a>	Codenation Flipkart	
Stacks & Queues	<a href="#">Efficiently implement k-stacks single array</a>	Flipkart	
Stacks & Queues	<a href="#">The celebrity problem</a>	Google + Visa + Apple	
Stacks & Queues	<a href="#">Iterative tower of hanoi</a>	Microsoft Flipkart	
Stacks & Queues	<a href="#">Find the maximum of minimums for every window size in a given array</a>	Amazon Microsoft Flipkart	
Stacks & Queues	<a href="#">lru cache implementation</a>	Microsoft + Uber + Alibaba	
Stacks & Queues	<a href="#">Find a tour that visits all stations</a>	Uber	
Greedy	<a href="#">Activity selection problem greedy algo</a>	Facebook Morgan Stanley Flipkart	
Greedy	<a href="#">Greedy algorithm to find minimum number of coins</a>	Accolite Amazon Morgan Stanley Oracle Paytm Samsung Snapdeal Synopsys Vi	
Greedy	<a href="#">Minimum sum two numbers formed digits array-2</a>	Google	
Greedy	<a href="#">Minimum sum absolute difference pairs two arrays</a>	Amazon	
Greedy	<a href="#">Find maximum height pyramid from the given array of objects</a>	Flipkart Amazon	
Greedy	<a href="#">Minimum cost for acquiring all coins with k extra coins allowed with every coin</a>		
Greedy	<a href="#">Find maximum equal sum of every three stacks</a>	Microsoft Amazon Flipkart	
Greedy	<a href="#">Job sequencing problem</a>	Microsoft + Acolite	
Greedy	<a href="#">Greedy algorithm egyptian fraction</a>		
Greedy	<a href="#">Fractional knapsack problem</a>	Microsoft	
Greedy	<a href="#">Maximum length chain of pairs</a>	Amazon Microsoft	
Greedy	<a href="#">Find smallest number with given number of digits and digit sum</a>	MAQ Software OYO Rooms	
Greedy	<a href="#">Maximize sum of consecutive differences circular-array</a>	Maccafe	
Greedy	<a href="#">paper-cut minimum number squares</a>	Google	
Greedy	<a href="#">Lexicographically smallest array-k consecutive swaps</a>	Amazon	
Greedy	<a href="#">Problems-CHOCOLA</a>	Flipkart	
Greedy	<a href="#">Find minimum time to finish all jobs with given constraints</a>		
Greedy	<a href="#">Job sequencing using disjoint set union</a>	Samsung	
Greedy	<a href="#">Rearrange characters string such that no two adjacent are same</a>	Amazon Microsoft	

Greedy	<a href="#">Minimum edges to reverse to make path from a source to a destination</a>		
Greedy	<a href="#">Minimize Cash Flow among a given set of friends who have borrowed money from each other</a>		
Greedy	<a href="#">Minimum Cost to cut a board into squares</a>	Maccafe	
Binary Trees	<a href="#">_Maximum Depth of Binary Tree</a>	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTri	
Binary Trees	<a href="#">Reverse Level Order Traversal</a>	Amazon + Microsoft + flipkart + Adobe	
Binary Trees	<a href="#">Subtree of Another Tree</a>	Amazon + Microsoft + Facebook	
Binary Trees	<a href="#">Invert Binary Tree</a>	Amazon Hike	
Binary Trees	<a href="#">Binary Tree Level Order Traversal</a>	Accolite Adobe Amazon Cisco D-E-Shaw Flipkart	
Binary Trees	<a href="#">Left View of Binary Tree</a>	Microsoft + Adobe + Cisco Networking Academy	
Binary Trees	<a href="#">Right View of Binary Tree</a>	Amdocs	
Binary Trees	<a href="#">ZigZag Tree Traversal</a>	Amazon Cisco FactSet Hike Snapdeal Walmart Microsoft Flipkart	
Binary Trees	<a href="#">Create a mirror tree from the given binary tree</a>	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanl	
Binary Trees	<a href="#">Leaf at same level</a>	Amazon	
Binary Trees	<a href="#">Check for Balanced Tree</a>	Amazon Walmart Microsoft	
Binary Trees	<a href="#">Transform to Sum Tree</a>	Amazon FactSet Microsoft Samsung Walmart	
Binary Trees	<a href="#">Check if Tree is Isomorphic</a>	Amazon Microsoft	
Binary Trees	<a href="#">Same Tree</a>	Amazon Microsoft Flipkart	
Binary Trees	<a href="#">Construct Binary Tree from Preorder and Inorder Traversal</a>	Accolite Amazon Microsoft	
Binary Trees	<a href="#">Height of Binary Tree</a>	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTri	
Binary Trees	<a href="#">Diameter of a Binary Tree</a>	Amazon Microsoft OYO Rooms	
Binary Trees	<a href="#">Top View of Binary Tree</a>	Microsoft + Adobe + Expedia Group	
Binary Trees	<a href="#">Bottom View of Binary Tree</a>	DE Shaw India	
Binary Trees	<a href="#">Diagonal Traversal of Binary Tree</a>	Amazon Microsoft	
Binary Trees	<a href="#">Boundary Traversal of binary tree</a>	Accolite Amazon FactSet Hike Kritikal Solutions	
Binary Trees	<a href="#">Construct Binary Tree from String with Brackets</a>	Microsoft Morgan Stanley OYO Rooms Payu Samsung Snapdeal Flipkart	
Binary Trees	<a href="#">Minimum swap required to convert binary tree to binary search tree</a>	Adobe Amazon	
Binary Trees	<a href="#">Duplicate subtree in Binary Tree</a>	Google	
Binary Trees	<a href="#">Check if a given graph is tree or not</a>	Microsoft Amazon	
Binary Trees	<a href="#">Lowest Common Ancestor in a Binary Tree</a>	Accolite Amazon American Express Cisco Expedia Flipkart MakeMyTrip Microso	
Binary Trees	<a href="#">Min distance between two given nodes of a Binary Tree</a>	Amazon LinkedIn MakeMyTrip Ola Cabs Qualcomm Samsung	
Binary Trees	<a href="#">Duplicate Subtrees</a>	Ola	
Binary Trees	<a href="#">Kth ancestor of a node in binary tree</a>	Josh Technology Group	
Binary Trees	<a href="#">Binary Tree Maximum Path Sum</a>	Samsung + Facebook	
Binary Trees	<a href="#">Serialize and Deserialize Binary Tree</a>	Flipkart InMobi LinkedIn MAQ Software Microsoft Paytm Quikr Yahoo	
Binary Trees	<a href="#">Binary Tree to DLL</a>	Accolite Amazon Goldman Sachs Microsoft Morgan Stanley Salesforce Snapdea	
Binary Trees	<a href="#">Print all k-sum paths in a binary tree</a>	Accolite Amazon Goldman Sachs	
Binary Search Trees	<a href="#">Lowest Common Ancestor of a Binary Search Tree</a>	Accolite Amazon Flipkart MAQ Software Microsoft Samsung Synopsys	
Binary Search Trees	<a href="#">Binary Search Tree   Set 1 (Search and Insertion)</a>	Accolite Amazon Microsoft Paytm Samsung	
Binary Search Trees	<a href="#">Minimum element in BST</a>	Microsoft	
Binary Search Trees	<a href="#">Predecessor and Successor</a>	Google + Adobe + Goladman Sachs + Direct	
Binary Search Trees	<a href="#">Check whether BST contains Dead End</a>	Walmart	
Binary Search Trees	<a href="#">Binary Tree to BST</a>	HSBC	
Binary Search Trees	<a href="#">Kth largest element in BST</a>	Accolite Amazon Samsung SAP Labs Microsoft	
Binary Search Trees	<a href="#">Validate Binary Search Tree</a>	OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon	
Binary Search Trees	<a href="#">Kth Smallest Element in a BST</a>	Accolite Amazon Google	
Binary Search Trees	<a href="#">Delete Node in a BST</a>	Adobe Barclays	
Binary Search Trees	<a href="#">Flatten BST to sorted list</a>	Microsoft	
Binary Search Trees	<a href="#">Preorder to Postorder</a>	Amazon LinkedIn Flipkart	
Binary Search Trees	<a href="#">Count BST nodes that lie in a given range</a>	D-E-Shaw Google	
Binary Search Trees	<a href="#">Populate Inorder Successor for all Nodes</a>	Sap labs	
Binary Search Trees	<a href="#">Convert Normal BST to Balanced BST</a>	Paytm	
Binary Search Trees	<a href="#">Merge two BSTs</a>	DE Shaw India	
Binary Search Trees	<a href="#">Given n appointments, find all conflicting appointments</a>	Samsung	
Binary Search Trees	<a href="#">Replace every element</a>	Samsung	
Binary Search Trees	<a href="#">Construct BST from given preorder traversal</a>	Adobe Morgan Stanley Microsoft	
Binary Search Trees	<a href="#">Find median of BST in O(n) time and O(1) space</a>	Amazon	
Binary Search Trees	<a href="#">Largest BST in a Binary Tree</a>	Amazon D-E-Shaw Samsung Microsoft Flipkart	Important
Heaps & Hashing	<a href="#">Choose k array elements such that difference of maximum and minimum is minimized</a>		
Heaps & Hashing	<a href="#">Heap Sort</a>	Adobe	
Heaps & Hashing	<a href="#">Top K Frequent Elements</a>	Amazon Microsoft	
Heaps & Hashing	<a href="#">k largest elements in an array</a>	Amazon Microsoft Walmart Adobe	
Heaps & Hashing	<a href="#">Next Greater Element</a>	Amazon + Microsoft + Flipkart + Adobe	
Heaps & Hashing	<a href="#">K'th Smallest/Largest Element in Unsorted Array</a>	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Heaps & Hashing	<a href="#">Find the maximum repeating number in O(n) time and O(1) extra space</a>	Accolite Amazon	
Heaps & Hashing	<a href="#">K-th smallest element after removing some integers from natural numbers</a>	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Heaps & Hashing	<a href="#">Find k closest elements to a given value</a>	Amazon OYO Rooms	
Heaps & Hashing	<a href="#">K'th largest element in a stream</a>	Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart	
Heaps & Hashing	<a href="#">Connect Ropes</a>	Amazoon + Oyo + Goldman Sachs	
Heaps & Hashing	<a href="#">Cuckoo Hashing</a>	Amaxon	
Heaps & Hashing	<a href="#">Itinerary from a List of Tickets</a>	Microsoft + Ola + eBay	
Heaps & Hashing	<a href="#">Largest Subarray with 0 Sum</a>	Amazon MakeMyTrip Microsoft	
Heaps & Hashing	<a href="#">Count distinct elements in every window of size k</a>	Accolite Amazon Microsoft	
Heaps & Hashing	<a href="#">Group Shifted Strings</a>	Oracle	
Heaps & Hashing	<a href="#">Merge K Sorted lists</a>	Microsoft + Ola + eBay	
Heaps & Hashing	<a href="#">Find Median from Data Stream</a>	Adobe Amazon Apple Belzabar D-E-Shaw Facebook Flipkart Google Intuit Micro	
Heaps & Hashing	<a href="#">Sliding Window Maximum</a>	Amazon Directi Flipkart Microsoft Google	
Heaps & Hashing	<a href="#">Find the smallest positive number</a>	Accolite Amazon Samsung Snapdeal	
Heaps & Hashing	<a href="#">Find Surpasser Count of each element in array</a>	Amazon Morgan Stanley Ola Cabs SAP Labs	
Heaps & Hashing	<a href="#">Tournament Tree and Binary Heap</a>	Amazon Ola Cabs Samsung Synopsys Walmart Microsoft	
Heaps & Hashing	<a href="#">Check for palindrome</a>	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
Heaps & Hashing	<a href="#">Length of the largest subarray with contiguous elements</a>	Amazon Intuit Microsoft	
Heaps & Hashing	<a href="#">Palindrome Substring Queries</a>	Amazon Morgan Stanley Ola Cabs SAP Labs	
Heaps & Hashing	<a href="#">Subarray distinct elements</a>	Microsoft + Ola + eBay	
Heaps & Hashing	<a href="#">Find the recurring function</a>	MAQ Software	
Heaps & Hashing	<a href="#">K maximum sum combinations from two arrays</a>	Amazon	
Graphs	<a href="#">BFS</a>	Samsung + Delhivery + SAP Labs	
Graphs	<a href="#">DFS</a>	Samsung + Intuit + Goldman Sachs	
Graphs	<a href="#">Flood Fill Algorithm</a>	Google + Adobe + Apple	
Graphs	<a href="#">Number of Triangles</a>	IBM	
Graphs	<a href="#">Detect cycle in a graph</a>	Lenksart	
Graphs	<a href="#">Detect cycle in an undirected graph</a>	Samsung	
Graphs	<a href="#">Rat in a Maze Problem</a>	Sharechat + Directi	

Graphs	Steps by Knight	Samsung	
Graphs	Clone graph	Google + MAQ Software + Apple + Facebook	
Graphs	Number of Operations to Make Network Connected	Samsung	
Graphs	Dijkstra's shortest path algorithm	Amazon	
Graphs	Topological Sort	Amazon + Google + Flipkart + Oyo + Fipkart + Samsung	
Graphs	Oliver and the Game	Sharechat + Directi	
Graphs	Minimum time taken by each job to be completed given by a Directed Acyclic Graph	Amazon	
Graphs	Find whether it is possible to finish all tasks or not from given dependencies	Directi + Sharechat	
Graphs	Find the number of islands	Razorpay	
Graphs	Prim's Algo	Visa	
Graphs	Negative Weighted Cycle	Amazon	
Graphs	Floyd Warshall	Google + Uber	
Graphs	Graph Coloring	Morgan Stanley	
Graphs	Snakes and Ladders	Goldman Sachs +Makemytrip	
Graphs	Kosaraju's Theorem	Paytm	
Graphs	Journey to moon	Lenksart + Payload	
Graphs	Vertex Cover	Intuit	
Graphs	M Coloring Problem	Uber	
Graphs	Cheapest Flights Within K Stops	Uber + Paypal	
Graphs	Find if there is a path of more than k length from a source	Cisco + Intuit	
Graphs	Bellman Ford	Sharechat + Directi	
Graphs	Bipartitie Graph	Microsoft Flipkart	
Graphs	Word-Ladder	Microsoft	
Graphs	Allen Dictionary	Samsung	
Graphs	Kruskals MST	Amazon Cisco Samsung	Important
Graphs	Total number spanning trees graph	Amazon Cisco Samsung Microsoft Flipkart	
Graphs	Travelling Salesman	Google + Microsoft + Opera	Important
Graphs	Find longest path directed acyclic graph.	Google	
Graphs	Two Clique Problem	Microsoft	
Graphs	Minimise the cash flow	Intuit + Uber	
Graphs	Chinese postman	Intuit	
Graphs	Water Jug.	Intuit + Uber	
Graphs	Water Jug 2	MakeMyTrip MAQ Software	
Tries	Construct a trie from scratch	Accolite Amazon D-E-Shaw FactSet Microsoft	
Tries	Print unique rows in a given boolean matrix	Amazon Zoho	
Tries	Word Break Problem -I (Trie solution)	Amazon Google Hike IBM MAQ Software Microsoft Walmart Zoho	
Tries	Given a sequence of words, print all anagrams together	Amazon D-E-Shaw Goldman Sachs Morgan Stanley Snapdeal Microsoft	
Tries	Find shortest unique prefix for every word in a given list	Microsoft Google	
Tries	Implement a Phone Directory	Amazon + Microsoft + Snapdeal	
DP	Knapsack with Duplicate Items	Amazon	
DP	BBT counter	Microsoft	
DP	Reach a given score	Samsung	
DP	Maximum difference of zeros and ones in binary string	Ola	
DP	Climbing Stairs	Intuit	
DP	Permutation Coefficient	Amazon	
DP	Longest Repeating Subsequence	Google + Amazon	
DP	Pairs with specific difference.	Ola	
DP	Longest subsequence-1.	Amazon	
DP	Coin Change	Microsoft+ Samsung + Barclays + Apple + Adobe	
DP	LIS	Amazon + Google + Facebook + Fidelity International	
DP	Longest Common Subsequence	Siemens + Amazon + Google	
DP	Word Break	Amazon + Google + Microsoft + Walmart + Apple + IBM	
DP	Combination Sum IV	Adobe Amazon Microsoft	
DP	House Robber	Apple + Uber	
DP	Houe Robber 2	Arrays Dynamic Programming	
DP	Decode Ways	Adobe + Uber	
DP	Unique Paths	Google + Microsoft	
DP	Jumps Game	Facebook Amazon Microsoft Google	
DP	Knapsack Problem	Amazon Directi Flipkart GreyOrange Microsoft Mobicip Morgan Stanley Oracle	
DP	nCr	Google	
DP	Catalan Number	Amazon + Google	
DP	Edit Distance	Google + Goldman Sachs + Citrix	
DP	Subset Sum.	Amazon + Google	
DP	Gold mine	Samsung	
DP	Assembly Line Scheduling	Goldman Sachs	
DP	Maximize The Cut Segments	Amazon OYO Rooms Microsoft	
DP	Maximum sum increasing subsequence.	Amazon Morgan Stanley Microsoft	
DP	Count all subsequences having product less than K	Goldman Sachs	
DP	Maximum sum increasing subsequence	Amazon Morgan Stanley Microsoft	
DP	Egg dropping puzzle	Amazon D-E-Shaw Goldman Sachs Google Hike MakeMyTrip MAQ Software My	
DP	Max length chain	Amazon Microsoft	
DP	Largest Square in Matrix	Amazon Samsung	
DP	Maximum Path Sum	Amazon + Microsoft + Oyo + Directi	
DP	Minimum Number of Jumps	Adobe Amazon Housing.com Moonfrog Labs Walmart Microsoft Google Flipkar	
DP	Minimum removals from array to make max - min <= K	Amazon	
DP	Longest Common Substring	Webarch Club	
DP	Partition Equal Subset Sum	Amazon + Accolite + Traveloca + Adobe	
DP	Longest Palindromic Subsequence	Amazon Google	
DP	Count Palindromic Subsequences	Myntra	
DP	Longest Palindromic Substring	Amazon + Microsoft + Samsung + Visa	
DP	Longest Alternating Sequence	Ola	
DP	Weighted Job Scheduling	Intuit	
DP	Coin Game	Salesforce	
DP	Coin Game Winner	Ola	
DP	Optimal Strategy for a game	Google + IBM	
DP	Word Wrap	Microsoft	
DP	Mobile numeric keypad.	Amazon Microsoft	
DP	Maximum Length of Pair Chain	Amazon Microsoft	
DP	Matrix Chain Multiplication	Walmart + Flipkart	
DP	Maximum profit by buying and selling a share at most twice	Accolite Amazon Microsoft	
DP	Optimal BST	Google	
DP	Largest Submatrix with sum 0	Amazon MakeMyTrip Microsoft	
DP	Largest area rectangular sub-matrix with equal number of 1's and 0's	Amazon Directi Intuit MakeMyTrip Microsoft Samsung Google Flipkart	
Bit Manipulation	Count set bits in an integer	Adobe Apple	



Bit Manipulation	<a href="#">Find the two non-repeating elements in an array of repeating elements</a>	Accolite Amazon FactSet Google MakeMyTrip Microsoft Qualcomm Samsung	
Bit Manipulation	<a href="#">Program to find whether a no is power of two</a>	Adobe	
Bit Manipulation	<a href="#">Find position of the only set bit</a>	Microsoft	
Bit Manipulation	<a href="#">Count number of bits to be flipped to convert A to B</a>	Maq Software	
Bit Manipulation	<a href="#">Count total set bits in all numbers from 1 to n</a>	Microsoft	
Bit Manipulation	<a href="#">Copy set bits in a range</a>	Facebook	
Bit Manipulation	<a href="#">Calculate square of a number without using *, / and pow()</a>	Amazon	
Bit Manipulation	<a href="#">Divide two integers without using multiplication, division and mod operator</a>	Microsoft	
Bit Manipulation	<a href="#">Power Set</a>	Google + Adobe + Paytm	
Segment Trees	<a href="#">Range Sum Query - Immutable</a>		
Segment Trees	<a href="#">Range Minimum Query</a>	Google Interview Qs	
Segment Trees	<a href="#">Range Sum Query - Mutable</a>	Alibaba	
Segment Trees	<a href="#">Create Sorted Array through Instructions</a>	Samsung + Accolite	
Segment Trees	<a href="#">Count of Range Sum</a>	Walmart	
Segment Trees	<a href="#">Count of Smaller Numbers After Self</a>	Codenation Google	