Meet us on Youtube (Apna College) How to solve this shades a solve this shade a solve this shades a solve this shade a solve this shades a solve this shade a solve this shades a solve t			
Facu	Ideal Time : 5-10 mins		
Easy Medium Hard	Ideal Time : 15-20 mins Ideal Time : 40-60 mins (based on Qs) 88 Qs	5 Questions each Day	
Topics	Question (375)	Companies Remarks	
Arrays Arrays	Maximum and Minimum Element in an Array. Reverse the Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Infosys Moonfrog Labs	
Arrays	Maximum-Subarray	Microsoft + Facebook Interview Qs use Kadane's Algori	
Arrays	Contains Duplicate	Amazon Interview Qs	
Arrays Arrays	Chocolate Distribution Problem Search in Rotated Sorted Array	Amazon Interview Qs Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Pay	
Arrays	Next Permutation	Uber + Goldman Sachs + Adobe Interview Qs	
Arrays	Best time to Buy and Sell Stock	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft	
Arrays Arrays	Repeat and Missing Number Array Kth-Largest Element in an Array	Amazon Interview Qs Amazon Microsoft Walmart Adobe	
Arrays	Trapping Rain Water	Samsung Interview Qs	
Arrays	Product of Array Except Self	Microsoft + Facebook Interview Qs	
Arrays	Maximum Product Subarray	Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google	
Arrays Arrays	Find Minimum in Rotated Sorted Array. Find Pair with Sum in Sorted & Rotated Array.	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet Microsoft + Google + Apple Interview Qs	
Arrays	3Sum	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
Arrays	Container With Most Water	Flipkart + Dunzo Interview Qs	
Arrays	Given Sum Pair Kth - Smallest Element	Infosys + Amazon + Flipkart Interview Qs ABCO Accolite Amazon Cisco Hike Microsoft Spandeal VMWare Google Adobe	
Arrays Arrays	Kth - Smallest Element Merge Overlapping Intervals	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Google Interview Qs	
Arrays	Find Minimum Number of Merge Operations to Make an Array Palindrome	Amazon	
Arrays	Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Barclays Interview Qs	
Arrays Arrays	Space Optimization Using Bit Manipulations Subarray Sum Divisible K	Amazon Snapdeal Microsoft	
Arrays	Print all Possible Combinations of r Elements in a Given Array of Size n	Amazon	
Arrays	Mo's Algorithm	Microsoft	
Strings	Valid Palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
Strings	Valid Anagram	Nagarro Media.net Directi Google Adobe Flipkart	
Strings Strings	Valid parentheses Remove Consecutive Characters	Google Interview Qs use Stacks (if possi Samsung + Adobe	
Strings	Longest Common Prefix	Adobe + Grofers + Dunzo Interview Qs	
Strings	Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence	Adobe	
Strings	Print all the Duplicates in the Input String Longost Substring without Penasting Characters	Ola + Amdocs IQ Morgan Stanley + Amazon IQ	
Strings Strings	Longest Substring without Repeating Characters Longest Repeating Character Replacement	Amazon Google	
Strings	Group Anagrams	Samsung + Adobe + Amazon Interview Qs	
Strings	Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ	
Strings Strings	Palindromic Substrings Next Permutation	Microsoft IQ Adobe + Goldman Sachs + Uber	
Strings	Count Palindromic Subsequences	Myntra Interview Qs	
Strings	Smallest Window in a String Containing all the Characters of Another String	Microsoft + Amazon IQ	
Strings	Wildcard String Matching Longest Prefix Suffix	Microsoft + Amazon + Ola IQ	
Strings Strings	Rabin-Karp Algorithm for Pattern Searching	Flipkart + Swiggy IQ Microsoft	
Strings	Transform One String to Another using Minimum Number of Given Operation	Directi	
Strings	Minimum Window Substring	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atla	
Strings Strings	Boyer Moore Algorithm for Pattern Searching Word Wrap	Amdocs Microsoft use Dynaming Progra	
2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon	
2D Arrays	Set Matrix Zeroes	Amazon Microsoft	
2D Arrays	Spiral Matrix	Flipkart + Apple + Societe Generale IQ	
2D Arrays	Rotate Image Word Search	Microsoft Paytm Samsung Adobe Google + Ola + Goldman Sachs IQ	
2D Arrays 2D Arrays	Find the Number of Islands Set 1 (Using DFS)	Microsoft + Uber + Apple + Amazon IQ Read about DFS	
2D Arrays	Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X'	Google	
2D Arrays	Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix	MAQ Software Microsoft VMWare	
2D Arrays 2D Arrays	Create a Matrix with Alternating Rectangles of O and X Maximum Size Rectangle of all 1s	MAQ VMWare Amazon Microsoft	
rching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Sameung	
rching & Sorting	counting sort	Samsung Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems	
rching & Sorting	find common elements three sorted arrays	MAQ Software Microsoft VMWare	
rching & Sorting	Searching in an array where adjacent differ by at most k	TCS Amazon	
rching & Sorting rching & Sorting	ceiling in a sorted array. Piar with given difference	TCS Amazon Visa	
rching & Sorting	majority element	Amazon+ Google	
rching & Sorting	count triplets with sum smaller that a given value	Amazon SAP Labs	
rching & Sorting rching & Sorting	Maximum Sum Subsequence with no adjacent elements Merge Sorted Arrays using O(1) Space	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipka	
rching & Sorting	Inversion of Array.	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Sr Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip	
rching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho	
rching & Sorting	Radix Sort	Amazon+ Microsoft	
rching & Sorting rching & Sorting	Product of Array except itself Make all Array Elements Equal	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart Amazon	
rching & Sorting	Check if Reversing a Sub Array Make the Array Sorted	Amazon	
rching & Sorting	Find Four Elements that Sum to a Given Value	Adobe Amazon Google Microsoft OYO Rooms	
rching & Sorting	Median of Two Sorted Array with Different Size	Amazon + Google	
rching & Sorting rching & Sorting	Median of Stream of Integers Running Integers Print Subarrays with 0 Sum	Amazon + Google Paytm Adobe	
rching & Sorting	Aggressive Cows	Adobe	
rching & Sorting	Allocate Minimum number of Pages	Google Infosys Codenation Amazon Microsoft	
rching & Sorting	Minimum Swaps to Sort	Amazon + Google	

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

Greedy	Minimum edges to reverse to make path from a source to a destination	
Greedy Greedy	Minimize Cash Flow among a given set of friends who have borrowed money from each other Minimum Cost to cut a board into squares	Maccafe
dreedy	Millimum Cost to Cut a board into squares	Mattale
Binary Trees	Maximum Depth of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTri
Binary Trees	Reverse Level Order Traversal	Amazon + Microsoft + flipkart + Adobe
Binary Trees	Subtree of Another Tree	Amazon + Microsoft + Facebook
Binary Trees Binary Trees	Invert Binary Tree Binary Tree Level Order Traversal	Amazon Hike Accolite Adobe Amazon Cisco D-E-Shaw Flipkart
Binary Trees	Left View of Binary Tree	Microsoft + Adobe + Cisco Networking Academy
Binary Trees	Right View of Binary Tree	Amdocs
Binary Trees	ZigZag Tree Traversal	Amazon Cisco FactSet Hike Snapdeal Walmart Microsoft Flipkart
Binary Trees Binary Trees	Create a mirror tree from the given binary tree Leaf at same level	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanle Amazon
Binary Trees	Check for Balanced Tree	Amazon Walmart Microsoft
Binary Trees	Transform to Sum Tree	Amazon FactSet Microsoft Samsung Walmart
Binary Trees	Check if Tree is Isomorphic.	Amazon Microsoft
Binary Trees Binary Trees	Same Tree Construct Binary Tree from Preorder and Inorder Traversal	Amazon Microsoft Flipkart Accolite Amazon Microsoft
Binary Trees	Height of Binary Tree	Amazon Cadence India CouponDunia D-E-Shaw FactSet FreeCharge MakeMyTri
Binary Trees	Diameter of a Binary Tree	Amazon Microsoft OYO Rooms
Binary Trees	Top View of Binary Tree Bottom View of Binary Tree.	Microsoft + Adobe + Expedia Group DE Shaw India
Binary Trees Binary Trees	Diagonal Traversal of Binary Tree	Amazon Microsoft
Binary Trees	Boundary Traversal of binary tree	Accolite Amazon FactSet Hike Kritikal Solutions
Binary Trees	Construct Binary Tree from String with Brackets	Microsoft Morgan Stanley OYO Rooms Payu Samsung Snapdeal Flipkart
Binary Trees	Minimum swap required to convert binary tree to binary search tree	Adobe Amazon
Binary Trees Binary Trees	Duplicate subtree in Binary Tree Check if a given graph is tree or not	Google Microsoft Amazon
Binary Trees	Lowest Common Ancestor in a Binary Tree	Accolite Amazon American Express Cisco Expedia Flipkart MakeMyTrip Microso
Binary Trees	Min distance between two given nodes of a Binary Tree	Amazon Linkedin MakeMyTrip Ola Cabs Qualcomm Samsung
Binary Trees	Duplicate Subtrees Whenever of a pade in binary tree	Ola
Binary Trees Binary Trees	Kth ancestor of a node in binary tree Binary Tree Maximum Path Sum	Josh Technology Group Samsung + Facebook
Binary Trees	Serialize and Deserialize Binary Tree	Flipkart InMobi Linkedin MAQ Software Microsoft Paytm Quikr Yahoo
Binary Trees	Binary Tree to DLL	Accolite Amazon Goldman Sachs Microsoft Morgan Stanley Salesforce Snapdea
Binary Trees	Print all k-sum paths in a binary tree	Accolite Amazon Goldman Sachs
Binary Search Trees	Lowest Common Ancestor of a Binary Search Tree	Accolite Amazon Flipkart MAQ Software Microsoft Samsung Synopsys
Binary Search Trees	Binary Search Tree Set 1 (Search and Insertion)	Accolite Amazon Microsoft Paytm Samsung
Binary Search Trees Binary Search Trees	Minimum element in BST Predecessor and Successor	Microsoft Google + Adobe + Goladman Sachs + Direct
Binary Search Trees	Check whether BST contains Dead End	Walmart
Binary Search Trees	Binary Tree to BST	HSBC
Binary Search Trees	Kth largest element in BST	Accolite Amazon Samsung SAP Labs Microsoft
Binary Search Trees Binary Search Trees	Validate Binary Search Tree Kth Smallest Element in a BST	OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Accolite Amazon Google
Binary Search Trees	Delete Node in a BST	Adobe Barclays
Binary Search Trees	Flatten BST to sorted list	Microsoft
Binary Search Trees	Preorder to Postorder	Amazon Linkedin Flipkart
Binary Search Trees	Count BST nodes that lie in a given range Populate Inorder Successor for all Nodes	D-E-Shaw Google
Binary Search Trees Binary Search Trees	Convert Normal BST to Balanced BST	Sap labs Paytm
Binary Search Trees	Merge two BSTs	DE Shaw India
Binary Search Trees	Given n appointments, find all conflicting appointments	Samsung
Binary Search Trees Binary Search Trees	Replace every element Construct BST from given preorder traversal	Samsung Adobe Morgan Stanley Microsoft
Binary Search Trees	Find median of BST in O(n) time and O(1) space	Amazon
Binary Search Trees	Largest BST in a Binary Tree	Amazon D-E-Shaw Samsung Microsoft Flipkart Important
Heaps & Hashing	Choose k array elements such that difference of maximum and minimum is minimized	
Heaps & Hashing	Heap Sort	Adobe
Heaps & Hashing Heaps & Hashing	Top K Frequent Elements k largest elements in an array	Amazon Microsoft Amazon Microsoft Walmart Adobe
Heaps & Hashing	Next Greater Element	Amazon + Microsoft + Flipkart + Adobe
Heaps & Hashing	K'th Smallest/Largest Element in Unsorted Array.	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Heaps & Hashing	Find the maximum repeating number in O(n) time and O(1) extra space (the smallest element of the removing some integers from patural numbers	Accolite Amazon
Heaps & Hashing Heaps & Hashing	K-th smallest element after removing some integers from natural numbers Find k closest elements to a given value	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon OYO Rooms
Heaps & Hashing	K'th largest element in a stream	Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart
Heaps & Hashing	Connect Ropes	Amazoon + Oyo + Goldman Sachs
Heaps & Hashing	Cuckoo Hashing Itingram from a List of Tickets	Amaxon Microsoft + Ola + eRay
Heaps & Hashing Heaps & Hashing	Itinerary from a List of Tickets Largest Subarray with 0 Sum	Microsoft + Ola + eBay Amazon MakeMyTrip Microsoft
Heaps & Hashing	Count distinct elements in every window of size k	Accolite Amazon Microsoft
Heaps & Hashing	Group Shifted Strings	Oracle
Heaps & Hashing	Merge K Sorted lists	Microsoft + Ola + eBay
Heaps & Hashing Heaps & Hashing	Find Median from Data Stream Sliding Window Maximum	Adobe Amazon Apple Belzabar D-E-Shaw Facebook Flipkart Google Intuit Micro Amazon Directi Flipkart Microsoft Google
Heaps & Hashing	Find the smallest positive number	Accolite Amazon Samsung Snapdeal
Heaps & Hashing	Find Surpasser Count of each element in array.	Amazon Morgan Stanley Ola Cabs SAP Labs
Heaps & Hashing	Tournament Tree and Binary Heap Check for palindrome	Amazon Ola Cabs Samsung Synopsys Walmart Microsoft Amazon Cisco D.E. Shaw Facebook FactSet Morgan Stapley Paytro Zobo
Heaps & Hashing Heaps & Hashing	Check for palindrome Length of the largest subarray with contiguous elements	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho Amazon Intuit Microsoft
Heaps & Hashing	Palindrome Substring Queries	Amazon Morgan Stanley Ola Cabs SAP Labs
Heaps & Hashing	Subarray distinct elements	Microsoft + Ola + eBay
Heaps & Hashing	Find the recurring function	MAQ Software
Heaps & Hashing	K maximum sum combinations from two arrays	Amazon
	DEC.	Company Delhiman J CARLaha
Graphs Graphs	BES DES	Samsung + Delhivery + SAP Labs Samsung + Intuit + Goldman Sachs
Graphs	Flood Fill Algorithm	Google + Adobe + Apple
Graphs	Number of Triangles	IBM
Graphs	Detect cycle in a graph	Lenksart
Graphs Graphs	Detect cycle in an undirected graph. Rat in a Maze Problem	Samsung Sharechat + Directi
Graphis	TAKENT & MIGGET TODICHT	Shareefiat - 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 Minimum time taken by each job to be completed given by a Directed Acyclic Graph	Sharechat + Directi Amazon	
Graphs 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 Find if there is a path of more than k length from a source	Uber + Paypal Cisco + Intuit	
Graphs 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	<u>Travelling Salesman</u>	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	<u>Chinese postman</u>	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 (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 DP	Edit Distance Subset Sum	Google + Goldman Sachs + Citrix	
DP DP	Subset Sum. Gold mine	Amazon + Google	
DP DP	Assembly Line Scheduling	Samsung Goldman Sachs	
DP	Assembly Line Scheduling 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 Flipka	
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 DP	Longest Palindromic Subsequence Count Palindromic Subsequences	Amazon Google	
DP	Longest Palindromic Substring	Myntra Amazon + Microsoft + Samsung + Visa	
DP	Longest Palindromic Substring Longest Alternating Sequence	Amazon + Microsoπ + Samsung + Visa 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	
	Matrix Chain Multiplication	Walmart + Flipkart	
DP	Maximum profit by buying and selling a share at most twice	Accolite Amazon Microsoft	
DP DP	Maximum prone by baying and seming a share at most twee		
	Optimal BST	Google	
DP	Optimal BST Largest Submatrix with sum 0	Google Amazon MakeMyTrip Microsoft	
DP DP	Optimal BST	-	

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