DSA by Shradha Ma'am Meet us on Youtube (Apna College) How to solve this			
			How to solve this sheet?
Easy	Ideal Time : 5-10 mins		
Medium Hard	ldeal Time : 15-20 mins Ideal Time : 40-60 mins (based on Qs) 88 Qs	5 Questions each Day	
Topics	Question (375)	Companies	Remarks
	Maximum and Minimum Element in an Array. Reverse the Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays Arrays	Maximum-Subarray	Infosys Moonfrog Labs Microsoft + Facebook Interview Qs	use Kadane's Algorithm
Arrays	Contains Duplicate Amazon Interview Qs		
Arrays	Chocolate Distribution Problem Amazon Interview Qs		
Arrays Arrays	Search in Rotated Sorted Array. Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Pay 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	Repeat and Missing Number Array Amazon Interview Qs		
Arrays	Kth-Largest Element in an Array. Amazon Microsoft Walmart Adobe		use auxiliary arrays
Arrays Arrays	Trapping Rain Water Product of Array Except Self	Samsung Interview Qs Microsoft + Facebook Interview Qs	use auxiliary arrays
Arrays	Microsoft + Facebook Interview Qs Maximum Product Subarray Amazon D-E-Shaw Microsoft Morgan Stanley OYO Rooms Google		
Arrays	Find Minimum in Rotated Sorted Array.	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
Arrays	Find Pair with Sum in Sorted & Rotated Array. 3Sum	Microsoft + Google + Apple Interview Qs Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet	
Arrays Arrays	Container With Most Water	Flipkart + Dunzo Interview Qs	use 2 pointer approach
Arrays	Given Sum Pair	Infosys + Amazon + Flipkart Interview Qs	**
Arrays	Kth - Smallest Element	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays Arrays	Merge Overlapping Intervals Find Minimum Number of Merge Operations to Make an Array Palindrome	Google Interview Qs Amazon	
Arrays	Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Barclays Interview Qs	
Arrays	Space Optimization Using Bit Manipulations	Amazon	
Arrays	Subarray Sum Divisible K	Snapdeal Microsoft	
Arrays Arrays	Print all Possible Combinations of r Elements in a Given Array of Size n Mo's Algorithm	Amazon 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	Valid parentheses	Google Interview Qs	use Stacks (if possible)
Strings Strings	Remove Consecutive Characters Longest Common Prefix	Samsung + Adobe Adobe + Grofers + Dunzo Interview Qs	
Strings	Convert a Sentence into its Equivalent Mobile Numeric Keypad Sequence	Adobe Adobe	
Strings	Print all the Duplicates in the Input String	Ola + Amdocs IQ	
Strings	Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ	
Strings Strings	Longest Repeating Character Replacement Group Anagrams	Amazon Google Samsung + Adobe + Amazon Interview Qs	
Strings	Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ	
Strings	Palindromic Substrings	Microsoft IQ	
Strings	Next Permutation	Adobe + Goldman Sachs + Uber	
Strings Strings	Count Palindromic Subsequences. Smallest Window in a String Containing all the Characters of Another String	Myntra Interview Qs Microsoft + Amazon IQ	
Strings	Wildcard String Matching	Microsoft + Amazon + Ola IQ	
Strings	Longest Prefix Suffix	Flipkart + Swiggy IQ	
Strings Strings	Rabin-Karp Algorithm for Pattern Searching Transform One String to Another using Minimum Number of Given Operation	Microsoft Directi	
Strings	Minimum Window Substring	Amazon Google MakeMyTrip Streamoid Technologies Microsoft Media.net Atlas	
Strings	Boyer Moore Algorithm for Pattern Searching	Amdocs	
Strings	Word Wrap	Microsoft	use Dynaming Programming
2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon Missacoft	
2D Arrays 2D Arrays	Set Matrix Zeroes Spiral Matrix	Amazon Microsoft Flipkart + Apple + Societe Generale IQ	
2D Arrays	Rotate Image	Microsoft Paytm Samsung Adobe	
2D Arrays	Word Search	Google + Ola + Goldman Sachs IQ	
2D Arrays 2D Arrays	Find the Number of Islands Set 1 (Using DFS) Given a Matrix of 'O' and 'X', Replace 'O' with 'X' if Surrounded by 'X'	Microsoft + Uber + Apple + Amazon IQ	Read about DFS
2D Arrays 2D Arrays	Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix	Google MAQ Software Microsoft VMWare	
2D Arrays	Create a Matrix with Alternating Rectangles of O and X	MAQ VMWare	
2D Arrays	Maximum Size Rectangle of all 1s	Amazon Microsoft	
Searching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung	
	counting sort find common elements three sorted arrays	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems MAQ Software Microsoft VMWare	
Searching & Sorting	Searching in an array where adjacent differ by at most k	TCS Amazon	
Searching & Sorting	ceiling in a sorted array	TCS	
	Piar with given difference	Amazon Visa	
Searching & Sorting Searching & Sorting	majority element count triplets with sum smaller that a given value	Amazon+ Google Amazon SAP Labs	
Searching & Sorting	Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipka	
Searching & Sorting	Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Sn	
	Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip	
Searching & Sorting	Find Duplicates in O(n) Time and O(1) Eytra Space		
	Find Duplicates in O(n) Time and O(1) Extra Space. Radix Sort	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho Amazon+ Microsoft	
Searching & Sorting Searching & Sorting		Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho Amazon+ Microsoft Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart	
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Searching & Sorting	Median of Two Sorted Array with Different Size	Amazon Samsung Microsoft Google	
Searching & Sorting	Median of Stream of Integers Running Integers	Amazon + Google	
Searching & Sorting	Print Subarrays with 0 Sum	·	
Searching & Sorting	Aggressive Cows	Adobe	
Searching & Sorting	Allocate Minimum number of Pages	Google Infosys Codenation Amazon Microsoft	
Searching & Sorting	Minimum Swaps to Sort	Amazon + Google	
Backtracking	Backtracking Set 2 Rat in a Maze	Microsoft Amazon	
Backtracking	Combinational Sum	Adobe Amazon Microsoft	
Backtracking	<u>Crossword-Puzzle</u> 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 P	
Backtracking	Partition Equal Subset Sum	m Amazon + Adobe + Accolite + Traveloka	
Backtracking	M Coloring Problem	roblem Amazon	
Backtracking	Knight Tour	IBM	
Backtracking	Soduko	Amazon + Adobe + Accolite + Traveloka	
Backtracking	Remove Invalid Parentheses	Uher	
Backtracking	Word Break Problem using Backtracking	0001	
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			
Backtracking	Backtracking set-7 hamiltonian cycle		
Backtracking	tug-of-war	Google	
Backtracking	Maximum Possible Number by doing at most K swaps	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 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	Amazon Goldman Sachs Kritikal Solutions Microsoft Samsung Visa Amazon Intuit	
Linked List	Sort a linked list of 0s-1s-or-2s	Microsoft Amazon MakeMyTrip	
Linked List	Multiply two numbers represented linked lists	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	Micorsoft	
Linked List	Reverse a doubly linked list	Walmart	
Linked List	Delete nodes which have a greater value on right side	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	Merge sort for linked list	Accolite Adobe Amazon MAQ Software Microsoft Paytm Veritas	Important
Linked List	Quicksort on singly-linked list	Paytm	Important
Linked List	Sum of two linked lists	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Sna	
Linked List	Flattening 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	
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Stacks & Queues Stacks & Queues	Reverse first k elements of queue	Microsoft + Amdocs	
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Stacks & Queues	Reverse first k elements of queue Design Stack with Middle Operation Infix to Postfix Design and Implement Special stack Longest Valid String Find if an expression has duplicate parenthesis or not Stack permutations check if an array is stack permutation of other Count natural numbers whose permutation greater number	Microsoft + Amdocs MaQ Software Amazon + Samsung + Paytm + Vmware inc Amazon Google Microsoft Visa Goldman Sachs Google Microsoft Flipkart Oracle OYO Rooms Snapdeal Walmart Yatra.com Microsoft Google Visa Amazon	
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Greedy			
Greedy	Minimum sum absolute difference pairs two arrays	Amazon	
Greedy	Find maximum height pyramid from the given array of objects	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	lob sequencing problem	Microsoft + Acolite	
	1 01	MICROSOTT + ACOITE	
Greedy	Greedy algorithm egyptian fraction		
Greedy	Fractional knapsack problem	Microsoft	
Greedy	Maximum length chain of pairs	Amazon Microsoft	
Greedy	Find smallest number with given number of digits and digit sum	MAQ Software OYO Rooms	
Greedy	Maximize sum of consecutive differences circular-array	Maccafe	
Greedy	paper-cut minimum number squares	Google	
Greedy	Lexicographically smallest array-k consecutive swaps		
	Problems-CHOCOLA		
Greedy		Flipkart	
Greedy	Find minimum time to finish all jobs with given constraints		
Greedy	Job sequencing using disjoint set union	Samsung	
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	Minimize Cash Flow among a given set of friends who have borrowed money from each other	each other	
Greedy	Minimum Cost to cut a board into squares	Maccafe	
u.ccu,	minimum cost to cut a source into squares	maccare	
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	Invert Binary Tree	Amazon Hike	
Binary Trees	Binary Tree Level Order Traversal	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	Create a mirror tree from the given binary tree	Accolite Adobe Amazon Belzabar EBay Goldman Sachs Microsoft Morgan Stanle	
Binary Trees	Leaf at same level	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	Same Tree	Amazon Microsoft Flipkart	
Binary Trees	Construct Binary Tree from Preorder and Inorder Traversal	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	Microsoft + Adobe + Expedia Group	
Binary Trees	Bottom View of Binary Tree	DE Shaw India	
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	<u>Duplicate subtree in Binary Tree</u>	Google	
Binary Trees	Check if a given graph is tree or not	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	Ola	
Binary Trees	Kth ancestor of a node in binary tree	Josh Technology Group	
Binary Trees	Binary Tree Maximum Path Sum	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	
Dinamy Consek Toron	Lowest Common Ancester of a Binany Coayeh Type	Accelite Amazon Elinkart MAO Coffman Missage Communication	
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 Tree Set 1 (Search and Insertion) Minimum element in BST.		
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Binary Search Trees	Binary Search Tree Set 1 (Search and Insertion) Minimum element in BST. Predecessor and Successor Check whether BST contains Dead End Binary Tree to BST Kth largest element in BST. Validate Binary Search Tree Kth Smallest Element in a BST Delete Node in a BST Flatten BST to sorted list Preorder to Postorder Count BST nodes that lie in a given range. Populate Inorder Successor for all Nodes	Accolite Amazon Microsoft Paytm Samsung Microsoft Google + Adobe + Goladman Sachs + Direct Walmart HSBC Accolite Amazon Samsung SAP Labs Microsoft OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Accolite Amazon Google Adobe Barclays Microsoft Amazon Linkedin Flipkart D-E-Shaw Google Sap labs	
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Binary Search Trees Heaps & Hashing	Binary Search Tree Set 1 (Search and Insertion) Minimum element in BST. Predecessor and Successor Check whether BST contains Dead End Binary Tree to BST Kth largest element in BST. Validate Binary Search Tree Kth Smallest Element in a BST Delete Node in a BST Delete Node in a BST Elatten BST to sorted list Preorder to Postorder Count BST nodes that lie in a given range. Populate Inorder Successor for all Nodes Convert Normal BST to Balanced BST Merge two BSTs Given n appointments, find all conflicting appointments Replace every element Construct BST from given preorder traversal Find median of BST in Ofn) time and O(1) space Largest BST in a Binary Tree Choose k array elements such that difference of maximum and minimum is minimized Heap. Sort Top K Frequent Elements Kth Smallest/Largest Element in Unsorted Array Find the maximum repeating number in O(n) time and O(1) strat space Kth smallest/Largest Element in Unsorted Array Find the maximum repeating number in O(n) time and O(1) extra space Kth smallest element after removing some integers from natural numbers Find k closest elements to a given value	Accolite Amazon Microsoft Paytm Samsung Microsoft Google + Adobe + Goladman Sachs + Direct Walmart HSBC Accolite Amazon Samsung SAP Labs Microsoft OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Accolite Amazon Google Adobe Barclays Microsoft Amazon Linkedin Flipkart D-E-Shaw Google Sap labs Paytm DE Shaw India Samsung Samsung Adobe Morgan Stanley Microsoft Amazon D-E-Shaw Samsung Microsoft Flipkart Adobe Amazon Microsoft Hipkart Adobe Amazon Microsoft Hipkart Adobe Amazon Hicrosoft Walmart Adobe Amazon + Microsoft Flipkart + Adobe ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon OYO Rooms	
Binary Search Trees Heaps & Hashing	Binary Search Tree Set 1 (Search and Insertion) Minimum element in BST. Predecessor and Successor Check whether BST contains Dead End Binary Tree to BST Kth largest element in BST. Validate Binary Search Tree Kth Smallest Element in a BST Delete Node in a BST Elatten BST to sorted list Preorder to Postorder Count BST nodes that lie in a given range. Populate Inorder Successor for all Nodes Convert Normal BST to Balanced BST Merge two BSTS Given n appointments, find all conflicting appointments Replace every element Construct BST from given preorder traversal Eind median of BST in O(n) time and O(1) space Largest BST in a Binary Tree Choose k array elements Choose k array elements Largest elements in an array Next Greater Element Kth Smallest/Largest Element in Unsorted Array Eind the maximum repeating number in O(n) time and O(1) extra space Ksth smallest element after removing some integers from natural numbers Eind k closest elements to a given value Kth largest element in a stream	Accolite Amazon Microsoft Paytm Samsung Microsoft Google + Adobe + Goladman Sachs + Direct Walmart HSBC Accolite Amazon Samsung SAP Labs Microsoft OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Accolite Amazon Google Adobe Barclays Microsoft Amazon Linkedin Flipkart D-E-Shaw Google Sap labs Paytm DE Shaw India Samsung Adobe Morgan Stanley Microsoft Amazon D-E-Shaw Samsung Microsoft Flipkart Adobe Amazon D-E-Shaw Samsung Microsoft Flipkart Adobe Amazon Microsoft Hamazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon AbCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon Cisco Hike Microsoft Flipkart	
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Binary Search Trees Heaps & Hashing	Binary Search Tree Set 1 (Search and Insertion) Minimum element in BST. Predecessor and Successor Check whether BST contains Dead End Binary Tree to BST Kth largest element in BST. Validate Binary Search Tree Kth Smallest Element in a BST Delete Node in a BST Elatten BST to sorted list Preorder to Postorder Count BST nodes that lie in a given range. Populate Inorder Successor for all Nodes Convert Normal BST to Balanced BST Merge two BSTS Given n appointments, find all conflicting appointments Replace every element Construct BST from given preorder traversal Eind median of BST in O(n) time and O(1) space Largest BST in a Binary Tree Choose k array elements Choose k array elements Largest elements in an array Next Greater Element Kth Smallest/Largest Element in Unsorted Array Eind the maximum repeating number in O(n) time and O(1) extra space Ksth smallest element after removing some integers from natural numbers Eind k closest elements to a given value Kth largest element in a stream	Accolite Amazon Microsoft Paytm Samsung Microsoft Google + Adobe + Goladman Sachs + Direct Walmart HSBC Accolite Amazon Samsung SAP Labs Microsoft OYO Rooms Qualcomm Samsung Snapdeal VMWare Walmart Wooker Amazon Accolite Amazon Google Adobe Barclays Microsoft Amazon Linkedin Flipkart D-E-Shaw Google Sap labs Paytm DE Shaw India Samsung Adobe Morgan Stanley Microsoft Amazon D-E-Shaw Samsung Microsoft Flipkart Adobe Amazon D-E-Shaw Samsung Microsoft Flipkart Adobe Amazon Microsoft Hamazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon AbCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon Cisco Hike Microsoft Flipkart	

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Heaps & Hashing	Find the smallest positive number	Accolite Amazon Samsung Snapdeal	
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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	
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Graphs	Dijkstra's shortest path algorithm	Amazon	
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D.D.	Cultura Curr	American Country	
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 Subsequice	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 DP	Coin Game Winner	Ola	
	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 DP	Maximum profit by buying and selling a share at most twice Optimal BST	Accolite Amazon Microsoft	
DP	Largest Submatrix with sum 0	Google	
DP	9	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	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 Find position of the only set bit	Adobe	
Bit Manipulation	The state of the s	Microsoft	
Bit Manipulation	Count number of bits to be flipped to convert A to B	Maq Software	
Bit Manipulation Bit Manipulation	Count total set bits in all numbers from 1 to n	Microsoft Facebook	
	Copy set bits in a range		
Bit Manipulation	Calculate square of a number without using *, / and pow() Divide two integers without using multiplication, division and mod operator	Amazon Microsoft	
Bit Manipulation			
Bit Manipulation	Power Set	Google + Adobe + Paytm	
Comment Turner	Description Over the search is		
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	
Segment Trees	Count of Smaller Numbers After Self	Codenation Google	

DSA by Shradha Ma'am

Meet us on Youtube (Apna College)		
Face	Ideal Time : 5.40 mins	
Easy Medium	Ideal Time : 5-10 mins Ideal Time : 15-20 mins	
Hard	Ideal Time : 40-60 mins (based on Qs)	
паги	ideal fillie : 40-00 fillis (based off Qs)	
Topics	Question	Remarks
Strings	Edit Distance	use Dynaming Programming (if possible)
Strings	Luit Distance	use Dynaming Programming (ii possible)
Searching & Sorting	Sort a Nearly Sorted (or K sorted) Array	
Searching & Sorting	How to Efficiently Sort a Big List Dates in 20's	
Searching & Sorting	find a repeating and a missing number	
Searching & Sorting	sort array according count set bits	
Searching & Sorting	Minimum Swaps to Make Two Array Identical	
Searching & Sorting	Insert in Sorted and Non-Overlapping Interval Array	
Searching & Sorting	3-Way QuickSort	
Daelstvaelsing	Find if There is a Dath of Mare Thank Length From a Course	
Backtracking Backtracking	Find if There is a Path of More Than k Length From a Source Match a Pattern and String without Using Regular Expressions	
Dacktracking	Match a Pattern and String Without Osing Regular Expressions	
Linked List	Josephus Circle implementation using STL list	
Linked List	Find a triplet from three linked lists with sum equal to a given Numbe	r
Linked List	Pair with given sum	
Linked List	Select a random node from a singly linked list	
Linked List	First non repeating character	
Stacks & Queues	Implement Stack using Queue or heap	
Stacks & Queues Stacks & Queues	Sum of minimum-maximum elements subarrays size-k	
Stacks & Queues	Minimum time required so that all oranges become rotten	
Stacks & Queues	Efficiently implement k-queues single array	
Stacks & Queues	Linciently implement k-queues single array.	
Greedy	Maximize array sum after k-negation operations	
Greedy	Program for shortest job first or sjf-cpu scheduling set 1 non-preempt	tive
Binary Trees	Check Mirror in N-ary tree	
Binary Trees	Maximum sum of nodes in Binary tree such that no two are adjacent	
billary frees	Maximum sum of flodes in Binary tree such that no two are adjacent	
Binary Search Trees	Brothers From Different Roots	
11	charlada a conditira	
Heaps & Hashing	Check the condition	
Heaps & Hashing	Check if an array can be divided into pairs whose sum is divisible by k	
Heaps & Hashing	Design a effective DSA	
Heaps & Hashing	Find number of Employees Under every Manager	
Heaps & Hashing	Pancake Sorting	

Graphs	Bride in a graph
Graphs	Seven Bridges of Königsberg
Graphs	Minimum edges to reverse to make path from a source to a destination
DP	Maximum Sum Rectangle
DP	Interleaved Strings
DP	Painting the Fence
DP	Largest independent Set
DP	Minimum cost to fill given weight in a bag
DP	Boolean Parenthesization
DP	Maximum Profit
DP	Palindromic Partitioning