	Meet us on Youtube (Apna C	ollege)	How to solve this sheet
Easy Medium	Ideal Time : 5-10 mins Ideal Time : 15-20 mins		
Hard	Ideal Time : 40-60 mins (based on Qs) 88 Qs	5 Questions each Day	
Topics	Question (375)	Companies	Remarks
Arrays	Maximum and Minimum Element in an Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays Arrays	Reverse the Array Maximum-Subarray	Infosys Moonfrog Labs Microsoft + Facebook Interview Qs	use Kadane's Algorithn
Arrays	Contains Duplicate	Amazon Interview Qs	use Radarie's Algoridin
Arrays	Chocolate Distribution Problem		
Arrays	Search an Element in a Sorted and Pivoted Array.	arch an Element in a Sorted and Pivoted Array Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Pay	
Arrays	Next Permutation	Uber + Goldman Sachs + Adobe Interview Qs	
Arrays Arrays	Best time to Buy and Sell Stock Repeat and Missing Number Array	Amazon D-E-Shaw Directi Flipkart Goldman Sachs Intuit MakeMyTrip Microsoft (Amazon Interview Os	
Arrays	Kth-Largest Element in an Array	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. Search in Rotated Sorted 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	Infosys + Amazon + Flipkart Interview Qs	
Arrays	Kth - Smallest Element	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Arrays	Merge Overlapping Intervals Find Minimum Number of Marga Operations to Make an Array Palindrome	Google Interview Qs	
Arrays Arrays	Find Minimum Number of Merge Operations to Make an Array Palindrome Given an Array of Numbers Arrange the Numbers to Form the Biggest Number	Amazon Barclays Interview Qs	
Arrays	Space Optimization Using Bit Manipulations	Amazon	
Arrays	Subarray Sum Divisible K	Snapdeal Microsoft	
Arrays	Print all Possible Combinations of r Elements in a Given Array of Size n	Amazon	
Arrays	Mo's Algorithm	Microsoft	
Strings	<u>Valid Palindrome</u>	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
Strings	Valid Anagram	Nagarro Media.net Directi Google Adobe Flipkart	Charles (if a smallele
Strings Strings	Valid parentheses Remove Consecutive Characters	Google Interview Qs Samsung + Adobe	use Stacks (if possible
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	Ola + Amdocs IQ	
Strings	Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ	
Strings	Longest Repeating Character Replacement Group Anagrams	Amazon Google Samsung + Adobe + Amazon Interview Qs	
Strings Strings	Longest Palindromic Substring	Microsoft + Google + Samsung + Visa IQ	
Strings	Palindromic Substrings	Microsoft IQ	
Strings	Next Permutation	Adobe + Goldman Sachs + Uber	
Strings	Count Palindromic Subsequences.	Myntra Interview Qs	
Strings	Smallest Window in a String Containing all the Characters of Another String Wildcard String Matching	Microsoft + Amazon IQ Microsoft + Amazon + Ola IQ	
Strings Strings	Longest Prefix Suffix	Flipkart + Swiggy IQ	
Strings	Rabin-Karp Algorithm for Pattern Searching	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	Boyer Moore Algorithm for Pattern Searching	Amdocs	
Strings	Word Wrap	Microsoft	use Dynaming Programn
2D Arrays	Zigzag (or diagonal) Traversal of Matrix	Amazon	
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	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 2D Arrays	Find a Common Element in all Rows of a Given Row-Wise Sorted Matrix Create a Matrix with Alternating Rectangles of O and X	MAQ Software Microsoft VMWare MAQ VMWare	
2D Arrays	Maximum Size Rectangle of all 1s	Amazon Microsoft	
	-		
earching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung	
earching & Sorting	counting sort	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems	
earching & Sorting	find common elements three sorted arrays	MAQ Software Microsoft VMWare	
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earching & Sorting	count triplets with sum smaller that a given value	Amazon SAP Labs	
earching & Sorting	Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipka	
earching & Sorting	Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Sn	
earching & Sorting	Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip	
earching & Sorting earching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space Radix Sort	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho Amazon+ Microsoft	
earching & Sorting	Product of Array except itself	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart	
	Make all Array Elements Equal	Amazon	
earching & Sorting	Wake all All by Liellielles Equal		

Searching & Sorting Searching & Sorting			
Searching & Sorting	Median of Two Sorted Array with Different Size	Amazon Samsung Microsoft Google	
	Median of Stream of Integers Running Integers	Amazon + Google	
Searching & Sorting	Print Subarrays with 0 Sum	Paytm Adobe	
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		
Scarcining & Sorting	William Swaps to Soft	Alliazott + 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	
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Backtracking	M.Coloring Problem Amazon		
Backtracking	Knight Tour IBM		
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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	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	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	Remove duplicates from an unsorted linked list	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 Mono	
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		
Linked List	-	Amazon	
	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
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	Transform to Sum Tree	Amazon FactSet Microsoft Samsung Walmart	
	Check if Tree is Isomorphic	Amazon Microsoft	
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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	
	Top View of Binary Tree	Microsoft + Adobe + Expedia Group	
		DE Shaw India	
	Diagonal Traversal of Binary Tree	Amazon Microsoft	
	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	
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Binary Trees	Duplicate subtree in Binary Tree	Google	
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	Kth Smallest Element in a BST	Accolite Amazon Google	
Binary Search Trees	Delete Node in a BST	Delete Node in a BST	
Binary Search Trees	Flatten BST to sorted list	Microsoft	
Binary Search Trees	Preorder to Postorder	Amazon Linkedin Flipkart	
	Count BST nodes that lie in a given range	D-E-Shaw Google	
		Sap labs	
-	Convert Normal BST to Balanced BST	Paytm	
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Binary Search Trees	argest 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	
	Top K Frequent Elements	Amazon Microsoft	
	K-th smallest element after removing some integers from natural numbers	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe	
Heaps & Hashing	find k closest elements to a given value	Amazon OYO Rooms	
Heaps & Hashing K	C'th largest element in a stream	Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart	
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		Amaxon	
	tinerary from a List of Tickets	Microsoft + Ola + eBay	
Heaps & Hashing Heaps & Hashing Heaps & Hashing Meaps & Hashing Heaps & Hashing	Heap Sort Top IX Frequent Elements A largest elements in an array. Vext Greater Element Sth Smallest/Largest Element in Unsorted Array. Find the maximum repeating number in O(n) time and O(1) extra space. Sth Smallest element after removing some integers from natural numbers. Find k closest elements to a given value. Sth largest element in a stream.	Amazon Microsoft Amazon Microsoft Walmart Adobe Amazon + Microsoft + Flipkart + Adobe ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Accolite Amazon ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe Amazon OYO Rooms Amazon Cisco Hike OYO Rooms Walmart Microsoft Flipkart Amazon Cyo + Goldman Sachs	

Heaps & Hashing	Largest Subarray with 0 Sum	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	Find Median from Data Stream	Adobe Amazon Apple Belzabar D-E-Shaw Facebook Flipkart Google Intuit Micro	
Heaps & Hashing	Sliding Window Maximum	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	Amazon Ola Cabs Samsung Synopsys Walmart Microsoft	
Heaps & Hashing	Check for palindrome	Amazon Cisco D-E-Shaw Facebook FactSet Morgan Stanley Paytm Zoho	
Heaps & Hashing	Length of the largest subarray with contiguous elements	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	
neaps & nashing	K maximum sum combinations from two arrays	AIIIdZOII	
Graphs	BES	Samsung + Delhivery + SAP Labs	
Graphs	DES	Samsung + Intuit + Goldman Sachs	
Graphs	Flood Fill Algorithm	Google + Adobe + Apple	
Graphs	Number of Triangles	IBM	
	-		
Graphs	Detect cycle in a graph	Lenksart	
Graphs	Detect cycle in an undirected graph	Samsung	
Graphs	Rat in a Maze Problem	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	<u>Word-Ladder</u>	Microsoft	
Graphs	<u>Allen Dictionary</u>	Samsung	
Graphs	Kruskals MST	Amazon Cisco Samsung	Important
Graphs	Total number spanning trees graph	Amazon Cisco Samsung Microsoft Flipkart	
Graphs	Travelling Salesman		Important
Graphs	Find longest path directed acyclic graph	Google	
Graphs	Two Clique Problem	Microsoft	
	Minimise the cash flow	Intuit + Uber	
Graphs			
Graphs	<u>Chinese postman</u>	Intuit	
Graphs	Water Jug	Intuit + Uber	
Graphs	Water Jug 2	MakeMyTrip MAQ Software	
Tulas	Construct a trip from coratch	Accolite Amazon D. E. Shaw East Cat Misson of	
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		Amazon	
	Longest subsequence-1.		
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	<u>Catalan Number</u>	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 Subsequnce	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	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	Mag 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
Segment Trees	Count of Smaller Numbers After Self	Codenation Google

DSA by Shradha Didi & Aman Bhaiya

	Meet us on Youtube (Apna College)	
Easy	Ideal Time : 5-10 mins	
Medium	Ideal Time : 15-20 mins	
Hard	Ideal Time : 40-60 mins (based on Qs)	
Topics	Question	Remarks
Strings	Edit Distance	use Dynaming Programming (if 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	
Backtracking	Find if There is a Path of More Than k Length From a Source	
Backtracking	Match a Pattern and String without Using 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	
Charles 0 Occasion	Landa and Stade after Constant and	
Stacks & Queues	Implement Stack using Queue or heap	
Stacks & Queues	Sum of minimum-maximum elements subarrays size-k	
Stacks & Queues Stacks & Queues	Minimum time required so that all oranges become rotten 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	
Dillary Trees	maniform of modes in binary tree such that no two are adjacent	
Binary Search Trees	Brothers From Different Roots	
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	
Troups of Trushing	- STORES OF STORES	

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	