FOR SERVICE JOB ONLY

ARRAYS:

Topics	Questions	Companies
Arrays	Maximum and Minimum Element in an Array	ABCO Accolite Amazon Cisco Hike Microsoft Snapdeal VMWare Google Adobe
Arrays	Reverse the Array	Infosys Moonfrog Labs
Arrays	Maximum-Subarray	Microsoft + Facebook Interview Qs
Arrays	Contains Duplicate	Amazon Interview Qs
Arrays	Chocolate Distribution Problem	Amazon Interview Qs
Arrays	Search in Rotated Sorted Array	Microsoft Google Adobe Amazon D-E-Shaw Flipkart Hike Intuit MakeMyTrip Paytm
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 Ola Cabs Oracle Paytm Pubmatic Quikr Salesforce Sapient Swiggy Walmart Media.net Google
Arrays	Repeat and Missing Number Array	Amazon Interview Qs
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	Find Minimum in Rotated Sorted Array	Adobe Amazon Microsoft Morgan Stanley Samsung Snapdeal Times Internet
Arrays	Find Pair with Sum in Sorted & Rotated Array	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	Google Interview Qs
Arrays	Find Minimum Number of Merge	Amazon

Arrays	Operations to Make an Array Palindrome	
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	Print all Possible Combinations of r Elements in a Given Array of Size n	Amazon
Arrays	Mo's Algorithm	Microsoft

STRINGS:

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
Strings	Remove Consecutive Characters	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	Ola + Amdocs IQ
Strings	Longest Substring without Repeating Characters	Morgan Stanley + Amazon IQ
Strings	Longest Repeating Character Replacement	Amazon Google
Strings	Group Anagrams	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	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	Microsoft + Amazon + Ola IQ
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 Atlassian Flipkart
Strings	Boyer Moore Algorithm for Pattern Searching	Amdocs

Strings	Word Wrap	Microsoft

SEARCHING & SORTING(IF EXCEPTIONAL CASE OCCURS):

Searching & Sorting	Permute Two Arrays such that Sum of Every Pair is Greater or Equal to K	Samsung
Searching & Sorting	counting sort	Samsung+ Morgan Stanley+ Snapdeal + EPAM Systems
Searching & Sorting	find common elements three sorted arrays	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
Searching & Sorting	Piar with given difference	Amazon Visa
Searching & Sorting	majority element	Amazon+ Google
Searching & Sorting	count triplets with sum smaller that a given value	Amazon SAP Labs
Searching & Sorting	Maximum Sum Subsequence with no adjacent elements	Amazon FactSet Oxigen Wallet OYO Rooms Paytm Walmart Yahoo Adobe Flipkart
Searching & Sorting	Merge Sorted Arrays using O(1) Space	Amdocs Brocade Goldman Sachs Juniper Networks Linkedin Microsoft Quikr Snapdeal Synopsys Zoho Adobe
Searching & Sorting	Inversion of Array	Adobe Amazon BankBazaar Flipkart Microsoft Myntra MakeMyTrip
Searching & Sorting	Find Duplicates in O(n) Time and O(1) Extra Space	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho
Searching & Sorting	Radix Sort	Amazon+ Microsoft
Searching & Sorting	Product of Array except itself	Accolite Amazon D-E-Shaw Intuit Morgan Stanley Opera Microsoft Flipkart
Searching & Sorting	Make all Array Elements Equal	Amazon
Searching & Sorting	Check if Reversing a Sub Array Make the Array Sorted	Amazon
Searching & Sorting	Find Four Elements that Sum to a Given Value	Adobe Amazon Google Microsoft OYO Rooms

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	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

LINKED LIST:

Linked List	Reverse Linked List	Sprinklr
Linked List	Linked List Cycle	Accolite Amazon D-E-Shaw Hike Lybrate Mahindra Comviva MakeMyTrip MAQ Software OYO Rooms Paytm Qualcomm Samsung SAP Labs Snapdeal Veritas VMWare Walmart Adobe
Linked List	Merge Two Sorted Lists	Accolite Amazon Belzabar Brocade FactSet Flipkart MakeMyTrip Microsoft OATS Systems Oracle Samsung Synopsys Zoho
Linked List	Delete without Head node	Amazon Goldman Sachs Kritikal Solutions Microsoft Samsung Visa
Linked List	Remove duplicates from an unsorted linked list	

Linked List	Point of two Linked Lists	
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
Linked List	Quicksort on singly-linked list	Paytm
Linked List	Sum of two linked lists	Accolite Amazon Flipkart MakeMyTrip Microsoft Morgan Stanley Qualcomm Snapdeal
Linked List	Flattening a linked list	24*7 Innovation Labs Amazon Drishti-Soft Flipkart Goldman Sachs Microsoft Paytm Payu Qualcomm Snapdeal Visa
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:

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	Design Stack with Middle Operation	MaQ Software
Stacks & Queues	Infix to Postfix	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	Amazon Goldman Sachs IBM Intuit Kuliza Yahoo Microsoft
Stacks & Queues	Queue based approach for first non repeating character in a stream	Microsoft Flipkart
Stacks & Queues	The Celebrity Problem	Google + Visa + Apple
Stacks & Queues	Next larger Element	Visa
Stacks & Queues	Distance of nearest cell	Flipkar + Facebook
Stacks & Queues	Rotten-oranges	Facebook
Stacks & Queues	Next smaller element	Codenation
Stacks & Queues	Circular-tour	Codenation Flipkart
Stacks & Queues	Efficiently implement k-stacks single array	Flipkart

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

If you are want to do extra questions!

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	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
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	Create a Matrix with Alternating Rectangles of O and X	MAQ VMWare
2D Arrays	Maximum Size Rectangle of all 1s	Amazon Microsoft