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DSA Series by Shradha Ma'am

	Mark as Done	Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
ARRAYS	☐	1 Majority Element	Problem Link	Easy	Solution Link	Amazon Google	
	☐	2 Repeat & missing number	Problem Link	Easy	Solution Link	Amazon	Hashing
	☐	3 Merge 2 sorted array without xtra space	Problem Link	Easy	Solution Link	Amdocs Brocade Goldman Sachs Juniper Network	Sorting
	☐	4 Single Number	Problem Link	Easy	Solution Link		
	☐	5 Stock Buy & Sell	Problem Link	Easy	Solution Link	Amazon DEShaw Directi Flipkart Goldman Sachs In	
	☐	6 Kadane's Algorithm	Problem Link	Medium	Solution Link	Microsoft Facebook	
	☐	7 Pow xn	Problem Link	Medium	Solution Link		
	☐	8 Container with most water	Problem Link	Medium	Solution Link	Flipkart Dunzo	
	☐	9 Sort array of 0s, 1s & 2s	Problem Link	Medium	Solution Link	Microsoft Amazon MakeMyTrip	Sorting
	☐	10 3Sum	Problem Link	Medium	Solution Link	Adobe Amazon Microsoft Morgan Stanley Samsun	Hashing
	☐	11 4Sum	Problem Link	Medium	Solution Link		Hashing
	☐	12 Search a 2D matrix	Problem Link	Medium	Solution Link		2D Array
	☐	13 Next permutation	Problem Link	Medium	Solution Link	Adobe GoldmanSachs Uber	Sorting
	☐	14 Merge overlapping intervals	Problem Link	Medium	Solution Link	Google	Sorting
	☐	15 Longest substring without repeating	Problem Link	Medium	Solution Link	MorganStanley Amazon	String
	☐	16 Set matrix zeroes	Problem Link	Medium	Solution Link	Microsoft Amazon	Sets
	☐	17 Word search	Problem Link	Medium	Solution Link	Ola GoldmanSachs Google	Recursion
	☐	18 Product of array except itself	Problem Link	Medium	Solution Link	Amazon DEShaw Intuit MorganStanley Flipkart	
	☐	19 Subarray sum equals k	Problem Link	Medium	Solution Link		Hashing
	☐	20 Find Duplicate	Problem Link	Medium	Solution Link	Amazon D-E-Shaw Flipkart Paytm Qualcomm Zoho	LL Cycles
	☐	21 Count Inversions	Problem Link	Medium / Hard		Adobe Amazon BankBazaar Flipkart Microsoft Myr	Merge Sort
	☐	22 Trapping Rainwater	Problem Link	Hard		Samsung	
	☐	23 Sliding window maximum	Problem Link	Hard		Amazon Directi Flipkart Microsoft Google	Hashing
	☐	24 Reverse pairs	Problem Link	Hard			Merge Sort
	☐	25 Largest rectangle in a histogram	Problem Link	Hard			
BINARY SEARCH	☐	1 Search in rotated sorted	Problem Link	Medium	Solution Link	Microsoft Google Adobe Amazon D-E-Shaw Flipkar	
	☐	2 Peak index in mountain array	Problem Link	Medium	Solution Link		
	☐	3 Single element in sorted array	Problem Link	Medium	Solution Link		
	☐	4 Allocate Minimum Pages (Book Allocation)	Problem Link	Medium	Solution Link	Google Infosys Codenation Amazon Microsoft	
	☐	5 Painter's Partition	Problem Link	Medium	Solution Link		
	☐	6 Aggressive cows	Problem Link	Medium	Solution Link	Adobe	
	☐	7 Median of 2 Sorted Arrays	Problem Link	Hard		Amazon Samsung Microsoft Google	
	☐	1 Valid Palindrome	Problem Link	Easy	Solution Link	Amazon Cisco DEShaw Facebook FactSet MorganS	
	☐	2 Longest Common Prefix	Problem Link	Easy	Solution Link	Adobe Blinkit Dunzo	
	☐	3 Valid Anagram	Problem Link	Easy	Solution Link	Google Adobe Flipkart Nagarro Media.net Directi	
	☐	4 Reverse Words in String	Problem Link	Medium	Solution Link		
	☐	5 Remove All Occurrences of String	Problem Link	Medium	Solution Link		

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	Mark as Done	Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
STRINGS	☐	6 Permutation in String	Problem Link	Medium	Solution Link	Adobe GoldmanSachs Uber	
	☐	7 String Compression	Problem Link	Medium	Solution Link		
	☐	8 Group Anagrams	Problem Link	Medium		Samsung Adobe Amazon	
	☐	9 Minimum Window Substring	Problem Link	Hard		Amazon Google MakeMyTrip Streamoid Technolog	
	☐	10 Kmp Algorithm	Problem Link	Hard			
	☐	11 Robin Karp	--concept--	Hard			
	☐	1 Combination Sum I	Problem Link	Medium	Solution Link		
	☐	2 Combination Sum II	Problem Link	Medium			
	☐	3 Palindrome Partitioning	Problem Link	Medium	Solution Link		
	☐	4 Knights Tour	Problem Link	Medium			
	☐	5 M Coloring	Problem Link	Medium			
RECURSION &	☐	6 Rat in a Maze	Problem Link	Medium	Solution Link		
BACKTRACKING	☐	7 Subsets II	Problem Link	Medium	Solution Link		
	☐	8 Merge Sort	Problem Link	Medium			
	☐	9 N Queens	Problem Link	Hard	Solution Link		
	☐	10 Sudoku Solver	Problem Link	Hard	Solution Link		
	☐	11 Count Inversions	Problem Link	Hard			