DSA SHEET - Google Sheets

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DSA Series by Shradha Ma'am

Series Link : **DSA Series by Shradha Ma'am**

	Mark as Done		Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
	☐	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 Networks L	Sorting
	☐	4	Single Number	Problem Link	Easy	Solution Link		
	☐	5	Stock Buy & Sell	Problem Link	Easy	Solution Link	Amazon DEShaw Directi Flipkart Goldman Sachs Int	
	☐	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 Samsung	Hashing
	☐	11	4Sum	Problem Link	Medium	Solution Link		Hashing
	☐	12	Search a 2D matrix	Problem Link	Medium	Solution Link		2D Array
ARRAYS	☐	13	Next permutation	Problem Link	Medium	Solution Link	Adobe GoldmanSachs Uber	Sorting
	☐	14	Merge overlapping intervals	Problem Link	Medium		Google	Sorting
	☐	15	Longest substring without repeating	Problem Link	Medium		MorganStanley Amazon	String
	☐	16	Set matrix zeroes	Problem Link	Medium		Microsoft Amazon	Sets
	☐	17	Word search	Problem Link	Medium		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		Amazon DEShaw Intuit MorganStanley Flipkart	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	Solution Link	Adobe Amazon BankBazaar Flipkart Microsoft Mynti	Merge Sort
	☐	22	Trapping Rainwater	Problem Link	Hard	Solution Link	Samsung	
	☐	23	Sliding window maximum	Problem Link	Hard	Solution Link	Amazon Directi Flipkart Microsoft Google	Hashing
	☐	24	Reverse pairs	Problem Link	Hard			Merge Sort
	☐	25	Largest rectangle in a histogram	Problem Link	Hard	Solution Link		
	☐	1	Search in rotated sorted	Problem Link	Medium	Solution Link	Microsoft Google Adobe Amazon D-E-Shaw Flipkart	
	☐	2	Peak index in mountain array	Problem Link	Medium	Solution Link		
	☐	3	Single element in sorted array	Problem Link	Medium	Solution Link		
BINARY SEARCH	☐	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		Adobe	
	☐	7	Median of 2 Sorted Arrays	Problem Link	Hard		Amazon Samsung Microsoft Google	

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STRINGS	☐	1 Valid Palindrome	Problem Link	Easy	Solution Link	Amazon Cisco DEShaw Facebook FactSet MorganSta	
	☐	2 Longest Common Prefix	Problem Link	Easy		Adobe Blinkit Dunzo	
	☐	3 Valid Anagram	Problem Link	Easy		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		
	☐	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 Technologie	
	☐	10 Kmp Algorithm	Problem Link	Hard			
	☐	11 Robin Karp	--concept--	Hard			
RECURSION & BACKTRACKING	☐	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			
	☐	6 Rat in a Maze	Problem Link	Medium	Solution Link		
	☐	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			
LINKED LIST	☐	1 Reverse a LL	Problem Link	Easy	Solution Link		
	☐	2 Middle of LL	Problem Link	Easy	Solution Link		
	☐	3 Merge 2 Sorted LL	Problem Link	Easy	Solution Link		
	☐	4 Check if LL Is Palindrome or Not	Problem Link	Easy			
	☐	5 Detect Cycle in LL	Problem Link	Easy	Solution Link		
	☐	6 Remove Cycle in LL	Problem Link	Medium	Solution Link		
	☐	7 Flatten LL	Problem Link	Medium	Solution Link		
	☐	8 Clone LL with Random Pointers	Problem Link	Medium	Solution Link		
	☐	9 Add 2 Numbers	Problem Link	Medium			
	☐	10 Reverse Linked List 2	Problem Link	Medium			
	☐	11 LRU Cache	Problem Link	Medium	Solution Link		
	☐	12 Rotate a LL	Problem Link	Medium			
	☐	13 Reverse Nodes in K Groups	Problem Link	Hard	Solution Link		

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Mark as Done			Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
☐		1	Implement Stack using Queue	Problem Link	Easy	Solution Link		
☐		2	Implement Queue using Stack	Problem Link	Easy	Solution Link		
☐		3	Next Greater Element I	Problem Link	Easy	Solution Link		
☐		4	Valid Parenthesis	Problem Link	Easy	Solution Link		
☐		5	1st Non Repeating in Stream	Problem Link	Easy	Solution Link		
☐		6	Reverse 1st K Elements of Queue	Problem Link	Easy			
☐		7	Time needed to Buy Tickets	Problem Link	Easy			
☐	STACK & QUEUE	8	Next Greater Element II	Problem Link	Medium	Solution Link		
☐		9	Previous Smaller Element	Problem Link	Medium	Solution Link		
☐		10	Celebrity Problem	Problem Link	Medium	Solution Link		
☐		11	Get Min Element from Stack	Problem Link	Medium	Solution Link		
☐		12	Circular Tour / Gas Station	Problem Link	Medium	Solution Link		
☐		13	Rotten Oranges	Problem Link	Medium			
☐		14	Stock Span	Problem Link	Medium	Solution Link		
☐		15	Max Area in Histogram	Problem Link	Hard	Solution Link		