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 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 Ir	
☐	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		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			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 Myr	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 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		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		

ARRAYS (rows 1–25 section)

BINARY SEARCH (rows 1–7 section)

DSA Series by Shradha Ma'am

Series Link : DSA Series by Shradha Ma'am

Category	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--				
	☐	1	Combination Sum I	Problem Link	Medium	Solution Link	Adobe Amazon Microsoft oracle, DE shaw ,salesfo	
	☐	2	Combination Sum II	Problem Link	Medium		Adobe Amazon Microsoft goldmann sach oracle	
	☐	3	Palindrome Partitioning	Problem Link	Medium	Solution Link	meta ,adobe, Infosys, Walmart Labs, Amazon Micr	
	☐	4	Knights Tour	Problem Link	Medium		google,amazon , microsoft, oracle, meta,TCS, appl	
	☐	5	M Coloring	Problem Link	Medium		google , amazon, microsoft, meta , intuit, citadel, g	
RECURSION & BACKTRACKING	☐	6	Rat in a Maze	Problem Link	Medium	Solution Link	Amazon	
	☐	7	Subsets II	Problem Link	Medium	Solution Link	google, amazon, microsoft, meta , adobe, apple ,TC	
	☐	8	Merge Sort	Problem Link	Medium		Google, amazon , meta , microsoft	
	☐	9	N Queens	Problem Link	Hard	Solution Link	Microsoft Amazon	
	☐	10	Sudoku Solver	Problem Link	Hard	Solution Link	Amazon, TCS , Apple, Meta ,Infosys , Oracle, Adobe	
	☐	11	Count Inversions	Problem Link	Hard		Google, amazon , salessforce	
	☐	1	Reverse a LL	Problem Link	Easy	Solution Link	google, meta , apple , microsoft , amazon , oracle,	
	☐	2	Middle of LL	Problem Link	Easy	Solution Link	amazon, meta ,google, goldman sachs, qualcomm	
	☐	3	Merge 2 Sorted LL	Problem Link	Easy	Solution Link	Accolite Amazon Belzabar Brocade FactSet Flipkar	
	☐	4	Check if LL Is Palindrome or Not	Problem Link	Easy		amazon, meta ,google, goldman sachs, cisco , sam	
	☐	5	Detect Cycle in LL	Problem Link	Easy		google, meta , microsoft, amazon, oracle, paytm, a	
	☐	6	Remove Cycle in LL	Problem Link	Medium		amazon, meta , apple,	
LINKED LIST	☐	7	Flatten LL	Problem Link	Medium	Solution Link	google, amazon, meta ,microsoft , qualcomm, oracle	
	☐	8	Clone LL with Random Pointers	Problem Link	Medium	Solution Link	meta , amazon, microsoft , google, intel , walmart	
	☐	9	Add 2 Numbers	Problem Link	Medium		google, amazon, meta , microsoft, oracle, Tejas netw	
	☐	10	Reverse Linked List 2	Problem Link	Medium		Google , amazon, meta , microsoft, adobe, uber	
	☐	11	LRU Cache	Problem Link	Medium	Solution Link	Nvidia , Google, Meta , Amazon, Microsoft, Oracle, A	
	☐	12	Rotate a LL	Problem Link	Medium		Amazon, Google, Meta , Microsoft ,Salesforce ,Infos	
	☐	13	Reverse Nodes in K Groups	Problem Link	Hard	Solution Link	google, amazon, meta , microsoft, apple, uber, adobe	
	☐	1	Implement Stack using Queue	Problem Link	Easy	Solution Link	google , meta , amazon, microsoft, adobe, oracle,	
	☐	2	Implement Queue using Stack	Problem Link	Easy	Solution Link	amazon, google, microsoft, adobe, oracle , netflix , n	
	☐	3	Next Greater Element I	Problem Link	Easy	Solution Link	amazon, meta , swiggy , microsoft , google, apple,	
	☐	4	Valid Parenthesis	Problem Link	Easy	Solution Link	Google , meta , amazon, linkedin , intuit, visa , IBM	
	☐	5	1st Non Repeating in Stream	Problem Link	Easy		amazon, goldman sach, google, apple, meta , micr	
	☐	6	Reverse 1st K Elements of Queue	Problem Link	Easy		Microsoft , amdocs, amazon	
	☐	7	Time needed to Buy Tickets	Problem Link	Easy		uber, amazon, microsoft, google, ,meta	
STACK & QUEUE	☐	8	Next Greater Element II	Problem Link	Medium	Solution Link	amazon, uber	

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
	☐	9 Previous Smaller Element	Problem Link	Medium	Solution Link	amazon, meta , microsoft, apple, visa , oracle, intu	
	☐	10 Celebrity Problem	Problem Link	Medium	Solution Link	linkedin, meta, microsoft, amazon, uber, salesforc	
	☐	11 Get Min Element from Stack	Problem Link	Medium	Solution Link	Google, meta, amazon, saleforce, intuit , paypal, adc	
	☐	12 Circular Tour / Gas Station	Problem Link	Medium	Solution Link	amazon, microsoft, goldman sachs, intuit ,IBM	
	☐	13 Rotten Oranges	Problem Link	Medium	Solution Link	amazon, google, microsoft, meta, oracle, adobe, ci	
	☐	14 Stock Span	Problem Link	Medium	Solution Link	Amazon , google, Microsoft, Oracle, Samsung, Me	
	☐	15 Max Area in Histogram	Problem Link	Hard	Solution Link	Adobe, apple, Meta , Amazon, google, microsoft	
	☐	1 Inorder	Problem Link	Easy	Solution Link	google , amazon , meta , microsoft ,adobe, uber	
	☐	2 Preorder	Problem Link	Easy	Solution Link	salesforce, amazon, microsoft, meta , google ,adobe	
	☐	3 Postorder	Problem Link	Easy	Solution Link	Amazon ,meta , google, apple, adobe	
	☐	4 Symmetric Tree	Problem Link	Easy	Solution Link	Amazon , Google, Oracle, Apple,meta,Uber,Intuit ,	
	☐	5 Minimum Distance between Nodes	Problem Link	Easy	ynP1nA&list=PLfqMhTWNl	amazon, google, meta , linkedin , adobe, microsoft	
	☐	6 Are 2 Trees Identical or Not	Problem Link	Easy	Solution Link	meta , google , microsoft,	
	☐	7 Morris Inorder Traversal	Problem Link	Easy	Solution Link	Google,amazon, meta ,apple, adobe, TCS, flipkart, I	
	☐	8 Diameter	Problem Link	Easy	Solution Link	google, amazon, meta , microsoft , apple, adobe, ub	
	☐	9 Check if Tree is Height Balanced	Problem Link	Easy		amazon , meta , amazon , google ,visa , oracle , TC	
	☐	10 Subtree of Another Tree	Problem Link	Easy	Solution Link	Amazon google microsoft adobe uber apple	
	☐	11 Check if BT Mirror of itself or not	Problem Link	Easy		Amazon, google, meta, uber , morgan stanley , ebi	
BINARY TREES	☐	12 Top View of a Tree	Problem Link	Medium	Solution Link	amazon, google, meta, linkedin, apple, adobe,mic	
	☐	13 Bottom View of a Tree	Problem Link	Medium		meta , amazon, google , uber, oracle, flipkart , JP n	
	☐	14 Level Order	Problem Link	Medium		josh technology , amazon, google, adobe	
	☐	15 Kth Level of Tree	Problem Link	Medium	Solution Link	meta , google, amazon, adobe, microsoft	
	☐	16 LCA	Problem Link	Medium		meta , amazon , google, linkedin , intuit , oracle,ad	
	☐	17 Transform to Sum Tree	Problem Link	Medium	Solution Link	SAP , Amazon, Ebay , Microsoft	
	☐	18 Construct BT from Inorder & Pre order	Problem Link	Medium	Solution Link	Amazon, Microsoft, meta , adobe, uber , VMware	
	☐	19 Construct BT from Inorder & Post order	Problem Link	Medium		Google, amazon, microsoft , adobe, bloomberg	
	☐	20 Flatten BT to LL	Problem Link	Medium	Solution Link	Google, meta , amazon ,microsoft, Myntra , adobe, c	
	☐	21 Max Width of BT	Problem Link	Medium	Solution Link	Amazon , Meta , Uber, Microsoft, Uber , Adobe,Appl	
	☐	22 Zig Zag Traversal of BT	Problem Link	Medium		Amazon , meta, microsoft, google,oracle, Adobe, V	
	☐	23 Max Path Sum	Problem Link	Hard		Google, Meta , Amazon , Oracle, Salesforce, Goldn	
	☐	24 Kth Ancestor	Problem Link	Hard		Google , Amazon ,Microsoft	
	☐	1 Kth largest in BST	Problem Link	Easy	Solution Link	Meta , Amazon, Google , Adobe, Atlassian , Salesfo	
	☐	2 Sorted Array to Balanced BST	Problem Link	Easy	Solution Link	Amazon , Google, Meta, Apple, Adobe , Airbnb , Sar	
	☐	3 Validate BST	Problem Link	Medium	Solution Link	Amazon, Google, Meta, Salesforce, IBM , Adobe, Ci	
	☐	4 Kth Smallest in BST	Problem Link	Medium	Solution Link	Accolite Amazon Google Uber Microsoft Meta	
BST	☐	5 LCA in BST	Problem Link	Medium	Solution Link	Meta, Amazon, Linkedin , Bloomberg, Oracle, Sam	
	☐	6 Populate Next Right Pointers	Problem Link	Medium	Solution Link	Meta , Amazon, Walmart Labs, Flipkart, Saleforce,Ac	
	☐	7 Recover BST	Problem Link	Medium	Solution Link	Microsoft, amazon, google, oracle, adobe	
	☐	8 Construct from Preorder	Problem Link	Medium	Solution Link	Adobe, Meta , Google, Microsoft	
	☐	9 BST Iterator	Problem Link	Medium	Solution Link	Meta , Amazon, Microsoft, Linkedin , Adobe	

DSA Series by Shradha Ma'am

Series Link : DSA Series by Shradha Ma'am

Category	Mark as Done	#	Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
	☐	10	Flatten BST to Sorted list	Problem Link	Medium		Meta , microsoft, Amazon, Nvidia	
	☐	11	Inorder Successor	Problem Link	Medium	Solution Link	Amazon , Google, meta , Citadel, Nvidia,Linkedin ,t	
	☐	12	Inorder Predecessor	Problem Link	Medium	Solution Link	Microsoft , Bloomberg	
	☐	13	Largest BST in BT	Problem Link	Hard	Solution Link	Microsoft , Meta	
	☐	14	Serialize & Deserialize BST	Problem Link	Hard		Amazon, Google, Meta , Oracle, Flipkart , Adobe, Mi	
	☐	15	Merge 2 BSTS	Problem Link	Hard	Solution Link	Meta , Microsoft	
HEAPS	☐	1	Merge K Sorted Arrays	https://leetcode.com/proble	Easy		google, meta , amazon, microsoft, HCL , Cisco, IBM	
	☐	2	K most Frequent Elements	https://leetcode.com/proble	Medium		Meta , Amazon, Google , Microsoft , Oracle, Goldm	
	☐	3	Heap Sort	https://leetcode.com/proble	Medium		Adobe , TCS , Amazon, Google, Meta , hive, Infosys	
	☐	4	Kth Smallest Element	https://leetcode.com/proble	Medium		Amazon, Meta , apple, phonepe , salesforce	
	☐	5	Median from Stream	https://leetcode.com/proble	Hard		Google, Amazon, Meta, Apple, Microsoft, Pinteres	
	☐	6	Smallest Range in K Sorted List	https://leetcode.com/proble	Hard		Amazon, Phonepe , Meta , Microsoft , Flipkart , DE s	
TRIE	☐	1	Longest Common Prefix	https://leetcode.com/proble	Easy		amazon, TCS, Visa, Accenture, Infosys , Deloitte , G	
	☐	2	Word Break Problem	https://leetcode.com/proble	Medium		Amazon, Google , Netflix , Intuit , Walmart Labs ,	
	☐	3	Implement a Phone Directory	https://leetcode.com/proble	Medium		Google	
	☐	4	Implement a Trie	https://leetcode.com/proble	Medium		Google, Amazon, Apple, Meta , Uber, Nvidia , Sams	
	☐	5	Longest String with All Prefix	https://leetcode.com/proble	Medium		Google	
GRAPH	☐	1	Flood Fill Algorithm	https://leetcode.com/proble	Easy		Samsung , Flipkart ,SAP Labs , Ola , amazon, micro	
	☐	2	BFS	https://leetcode.com/proble	Medium	Solution Link	Samsung , Intuit, Accolite , Amazon	
	☐	3	DFS	https://leetcode.com/proble	Medium	Solution Link	Amazon, Meta , Google, Visa, Adobe, Microsoft, Ap	
	☐	4	Detect cycle in undirected using BFS	https://leetcode.com/proble	Medium		Amazon, Meta , Google, Visa, Adobe, Microsoft, Ap	
	☐	5	Detect cycle in undirected using DFS	https://leetcode.com/proble	Medium		Google , Meta , microsoft, Inmobi , Amazon	
	☐	6	Detect cycle in directed using BFS	https://leetcode.com/proble	Medium		Google , Meta , microsoft, Inmobi , Amazon	
	☐	7	Detect cycle in directed using DFS	https://leetcode.com/proble	Medium		Google, Amazon, Meta ,Microsoft, Apple, uber, Adi	
	☐	8	Topological Sorting (DFS)	https://leetcode.com/proble	Medium		Flipkart, Morgan Stanley, Accolite, Amazon , Micro	
	☐	9	Prim's Algorithm (MST)	https://leetcode.com/proble	Medium		Flipkart, Morgan Stanley, Accolite, Amazon , Micro	
	☐	10	Bellman Ford Algorithm	https://leetcode.com/proble	Medium		Amazon, Google, Meta, Salesforce, Intuit , Linkedin ,	
	☐	11	Floyd Warshall Algo	https://leetcode.com/proble	Medium		flipkart, microsoft	
	☐	12	Kosaraju Strongly Connected Components	https://leetcode.com/proble	Medium		Amazon, Meta , Stripe, Airbnb , Oracle, DE Shaw, A	
	☐	13	Check Bi-partite Graph	https://leetcode.com/proble	Medium		Amazon , Adobe, Directi,Uber,DE shaw, Microsof	
	☐	14	Number of Islands	https://leetcode.com/proble	Medium		Amazon , Adobe, Directi,Uber,DE shaw, Microsof	
	☐	15	Rotten Oranges	https://leetcode.com/proble	Medium		Sharechat + Directi , Amazon , microsoft	
	☐	16	01 Matrix	https://leetcode.com/proble	Medium		Google , uber, Meta, microsoft, Amazon	
	☐	17	Course Schedule I & II	https://leetcode.com/proble	Medium		Amazon, Google, Zoho, Oracle, Samsung, Meta , in	
	☐	18	Alien Dictionary	https://leetcode.com/proble	Hard		Google, amazon, Linkedin ,Doordash, Flipkart, Adob	
	☐	19	Cheapest Flights within K Stops	https://leetcode.com/proble	Medium		Google , amazon , meta , adobe, uber	
	☐	20	Clone a Graph	https://leetcode.com/proble	Medium		Amazon , Microoft , Meta , Linkedin , Oracle , Appl	
	☐	21	Most Stones Removed	https://leetcode.com/proble	Medium		Microsoft Flipkart Pinterest Meta Uber Samsung	

DSA Series by Shradha Ma'am

Series Link : DSA Series by Shradha Ma'am

Category	Mark as Done	#	Question	Link	Difficulty	Video SOLUTION	Companies	Pre-requisites
	☐	22	Number of Provinces	https://leetcode.com/proble	Medium		Paytm	
	☐	23	Number of Ways to Arrive at Destination	https://leetcode.com/proble	Medium		Phonepe , Google, Apple, Microsoft, Amazon	
	☐	24	Topological Sorting (BFS)	https://leetcode.com/proble	Hard		Sprinklr, Google, Amazon, Meta	
	☐	25	Dijkstra's Algorithm	https://leetcode.com/proble	Hard		Google, Amazon, Meta	
	☐	26	Kruskal's Algorithm (MST)	https://leetcode.com/proble	Hard		Airbnb , Citadel, Uber, Google, Meta , Airbnb	
	☐	1	Buy & Sell Stocks I	Problem Link	Easy		Amazon D-E-Shaw Directi Flipkart Goldman Sachs	
	☐	2	0-1 Knapsack	Problem Link	Medium		Amazon Directi Flipkart GreyOrange Microsoft Mc	
	☐	3	Target Sum Subset	Problem Link	Medium		Myntra ,Microsoft, Meta , Amazon	
	☐	4	Unbounded Knapsack	Problem Link	Medium		Amazon , Google	
	☐	5	Coin Change	Problem Link	Medium		Adobe, Salesforce, Amazon, Google, Microsoft, Int	
	☐	6	Longest Common Subsequence	Problem Link	Medium		Amazon, Microsoft, Meta , TCS, Oracle	
	☐	7	Longest Common Substring	Problem Link	Medium		Morgan Stanley , Amazon , Microsoft	
	☐	8	Edit Distance	Problem Link	Medium		Goldman Sachs, Paypal , Salesforce , Atlassian, Int.	
	☐	9	Longest Increasing Subsequence	Problem Link	Medium		Amazon, Google,Linkedin , Cisco , TCS , Meta , Ci	
DP	☐	10	Palindromic Partitioning (MCM)	Problem Link	Medium		Google + Goldman Sachs + Citrix , TCS, Meta, Adol	
	☐	11	Max Product Subarray	Problem Link	Medium		Amazon, Goldman Sachs , Apple,Adobe, TCS, Uber	
	☐	12	Unique BSTs	Problem Link	Medium		Amazon + Google	
	☐	13	Longest Palindromic Subsequence	Problem Link	Medium		Google , Microsoft , Tower Research Capital, Orac	
	☐	14	Buy & Sell Stocks II	Problem Link	Medium		Walmart + Flipkart	
	☐	15	Nth Catalan	Problem Link	Medium		Amazon , Google, Meta , Microsoft , Infosys	
	☐	16	Minimum Partitioning	Problem Link	Hard		Oracle, Phonepe, Adobe , Apple	
	☐	17	Wildcard Pattern Matching	Problem Link	Hard		Linkedin , DE Shaw , Adobe, Uber, Meta,Amazon	
	☐	18	Rod Cutting	Problem Link	Hard		Uber, samsung, Arcesium , Google, amazon, meta	
	☐	19	Egg Dropping	Problem Link	Hard		Microsoft + Amazon + Ola , Salesforce, Apple	
	☐	20	Longest Bitonic Subsequence	Problem Link	Hard		Amazon D-E-Shaw Goldman Sachs Google Hike M	
	☐	21	MCM	Problem Link	Hard		Amazon, microsoft, google, meta	
	☐	1	Assign Cookies	Problem Link	Easy		Amazon , Accenture , Uber , Adobe, Meta , Google	
	☐	2	Indian Coins	Problem Link	Medium		Accolite Amazon Morgan Stanley Oracle Paytm Sa	
GREEDY	☐	3	Fractional Knapsack	Problem Link	Medium		Microsoft	
	☐	4	maximum length of pair chain	Problem Link	Medium		Amazon , bloomberg, swiggy , adobe , apple	
	☐	5	Activity Selection	Problem Link	Medium		Meta , amazon , google , microsoft	
	☐	6	Job Scheduling	Problem Link	Hard		amazon , microsoft , airbnb, adobe,phonepe	