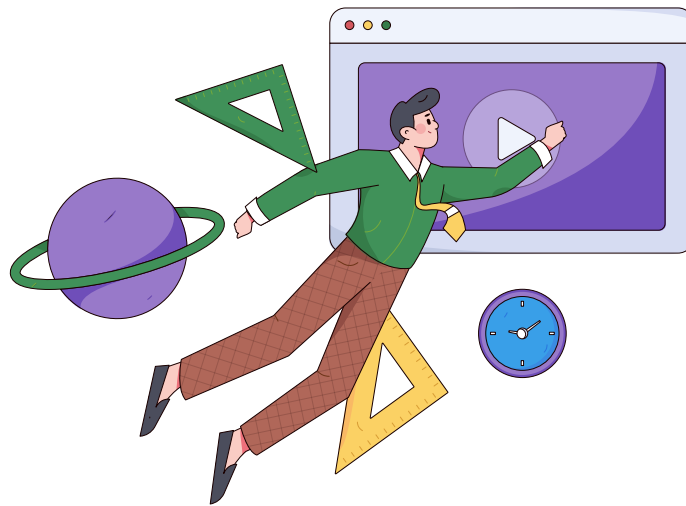


Arsh DSA Sheet

This DSA sheet is designed by Arsh Goyal and contains 280+ DSA questions. Arsh DSA sheet covers almost every concept of DSA which will help in understanding DSA concepts in depth. It will also help you to clear the interview rounds of DSA as these questions have been asked in most recent interviews of big tech companies.



Arsh Goyal Coding Challenge

You have successfully joined the 45 Day DSA challenge.



Watch the video [↗](#)



M T W T F S S

1	7	0	5	7	1	0
3	2	8	1	0		

 Questions Solved (Starting: Mon Jul 15 2024)

Remaining Days : 34

24% completed

Questions Solved

13% Done / 37 Questions

Easy Questions

26% Done / 16 Questions

Medium Questions

12% Done / 21 Questions

Hard Questions

0% Done / 0 Questions

Here's your progress for the challenge. Keep it up!

[View Rules](#)



[Leaderboard](#)

 Update Socials

 Share Progress

35/287

Show Tags ☐

Filters 

Array



Find the Duplicate Number



Medium



Sort Colors



Medium



Remove Duplicates from...



Easy



Set Matrix Zeroes



Medium



Move Zeroes



Easy



Best Time to Buy and Sell...



Easy



Chocolate Distribution...



Easy



Two Sum



Easy



<input type="checkbox"/>	☆	Best Time to Buy and Sell...	🕒	Medium	+
<input type="checkbox"/>	☆	Subarray Sums Divisible b...	🕒	Medium	+
<input type="checkbox"/>	☆	Find All Duplicates in an...	🕒	Medium	+
<input type="checkbox"/>	☆	Container With Most Water	🕒	Medium	+
<input type="checkbox"/>	☆	Three Sum	🕒	Medium	+
<input type="checkbox"/>	☆	Four Sum	🕒	Medium	+
<input type="checkbox"/>	☆	Maximum Points You Can...	🕒	Medium	+
<input type="checkbox"/>	☆	Subarray Sum Equals K	🕒	Medium	+
<input type="checkbox"/>	☆	Spiral Matrix	🕒	Medium	+
<input type="checkbox"/>	☆	Word Search	🕒	Medium	+
<input type="checkbox"/>	☆	Merge Sorted Array	🕒	Easy	+
<input type="checkbox"/>	☆	Jump Game	🕒	Medium	+

<input type="checkbox"/>	☆	Majority Element	🕒	Easy	+
<input type="checkbox"/>	☆	Reverse Pairs	🕒	Hard	+
<input type="checkbox"/>	☆	All Unique Permutations o...	🕒	Medium	+
<input type="checkbox"/>	☆	Game of Life	🕒	Medium	+
<input type="checkbox"/>	☆	Max Value of Equation	🕒	Hard	+
<input type="checkbox"/>	☆	Insert Delete GetRandom...	🕒	Hard	+
<input type="checkbox"/>	☆	Largest Rectangle in...	🕒	Hard	+

String					^
<input type="checkbox"/>	☆	Valid Parentheses	🕒	Easy	+
<input type="checkbox"/>	☆	Print all the duplicate...	🕒	Easy	+
<input type="checkbox"/>	☆	Find the Index of the First...	🕒	Easy	+
<input type="checkbox"/>	☆	Longest Common Prefix	🕒	Easy	+

<input type="checkbox"/>	☆	Valid Palindrome II	🕒	Easy	+
<input type="checkbox"/>	☆	Integer to Roman	🕒	Medium	+
<input type="checkbox"/>	☆	Generate Parentheses	🕒	Medium	+
<input type="checkbox"/>	☆	Simplify Path	🕒	Medium	+
<input type="checkbox"/>	☆	Smallest window in a strin...	🕒	Hard	+
<input type="checkbox"/>	☆	Reverse Words in a String	🕒	Medium	+
<input type="checkbox"/>	☆	Rabin-Karp Algorithm for...	🕒	Medium	+
<input type="checkbox"/>	☆	Group Anagrams	🕒	Medium	+
<input type="checkbox"/>	☆	Word Wrap	🕒	Hard	+
<input type="checkbox"/>	☆	Basic Calculator II	🕒	Medium	+
<input type="checkbox"/>	☆	Valid Number	🕒	Hard	+
<input type="checkbox"/>	☆	Integer to English Words	🕒	Hard	+

<input type="checkbox"/>	☆	Minimum Window Substring	🕒	Hard	+
<input type="checkbox"/>	☆	Text Justification	🕒	Hard	+
<input type="checkbox"/>	☆	Boyer Moore Algorithm for...	🕒	Hard	+
<input type="checkbox"/>	☆	Distinct Subsequences	🕒	Hard	+
<input type="checkbox"/>	☆	Print Anagrams Together	🕒	Medium	+

Matrix					^
<input type="checkbox"/>	☆	Maximum size rectangle...	🕒	Medium	+
<input type="checkbox"/>	☆	Find the number of islands...	🕒	Medium	+
<input type="checkbox"/>	☆	Given a matrix of 'O' and 'X...	🕒	Medium	+
<input checked="" type="checkbox"/>	☆	Spiral Matrix	🕒	Medium	+
<input type="checkbox"/>	☆	Rotate Image	🕒	Medium	+

Mathematical					^
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<input type="checkbox"/>	☆	Minimum Moves to Equal...	🕒	Medium	+
<input type="checkbox"/>	☆	Add Binary	🕒	Easy	+
<input type="checkbox"/>	★	Maximum Product of Thre...	🕒	Easy	+
<input type="checkbox"/>	☆	Excel Sheet Column Title	🕒	Easy	+
<input type="checkbox"/>	☆	Product array puzzle	🕒	Easy	+

Sorting and Searching					^
<input type="checkbox"/>	☆	Permute two arrays such...	🕒	Easy	+
<input type="checkbox"/>	☆	Ceiling in a sorted array	🕒	Easy	+
<input type="checkbox"/>	☆	Find Pair Given Difference	🕒	Easy	+
<input type="checkbox"/>	☆	Permutations in array	🕒	Easy	+
<input type="checkbox"/>	☆	Check if reversing a sub...	🕒	Medium	+
<input type="checkbox"/>	☆	Radix Sort	🕒	Medium	+

<input type="checkbox"/>	☆	Find Peak Element	🕒	Medium	+
<input type="checkbox"/>	☆	Allocate minimum number...	🕒	Medium	+
<input type="checkbox"/>	☆	AGGRCOW - Aggressive...	🕒	Hard	+
<input type="checkbox"/>	☆	Minimum Swaps to Sort	🕒	Medium	+
<input type="checkbox"/>	☆	Search in Rotated Sorted...	🕒	Medium	+
<input type="checkbox"/>	☆	Count of Smaller Numbers...	🕒	Hard	+
<input type="checkbox"/>	☆	Split Array Largest Sum	🕒	Hard	+
<input type="checkbox"/>	☆	Smallest Positive missing...	🕒	Medium	+

Linked List					^
<input type="checkbox"/>	☆	Middle of the Linked List	🕒	Easy	+
<input type="checkbox"/>	☆	Linked List Cycle	🕒	Easy	+
<input type="checkbox"/>	☆	Convert Binary Number in ...	🕒	Easy	+

<input type="checkbox"/>	☆	Remove Duplicates from...	🕒	Easy	+
<input type="checkbox"/>	☆	Sort a linked list of 0s, 1s...	🕒	Easy	+
<input type="checkbox"/>	☆	Remove Linked List...	🕒	Easy	+
<input type="checkbox"/>	☆	Merge Two Sorted Lists	🕒	Easy	+
<input type="checkbox"/>	☆	Multiply two linked lists	🕒	Easy	+
<input type="checkbox"/>	☆	Intersection of Two Linked...	🕒	Easy	+
<input type="checkbox"/>	☆	Delete nodes having great...	🕒	Easy	+
<input type="checkbox"/>	☆	Palindrome Linked List	🕒	Easy	+
<input type="checkbox"/>	☆	Reverse Linked List	🕒	Easy	+
<input type="checkbox"/>	☆	Add Two Numbers	🕒	Medium	+
<input type="checkbox"/>	☆	Copy List with Random...	🕒	Medium	+
<input type="checkbox"/>	☆	Add Two Numbers II	🕒	Medium	+

<input type="checkbox"/>	☆	Reverse Linked List II	🕒	Medium	+
<input type="checkbox"/>	☆	Reorder List	🕒	Medium	+
<input type="checkbox"/>	☆	Remove Nth Node From En...	🕒	Medium	+
<input type="checkbox"/>	☆	Flatten a Multilevel Doubly...	🕒	Medium	+
<input type="checkbox"/>	☆	Partition List	🕒	Medium	+
<input type="checkbox"/>	☆	Remove Duplicates from...	🕒	Medium	+
<input type="checkbox"/>	☆	Rearrange a Linked List in...	🕒	Medium	+
<input type="checkbox"/>	☆	Sort List	🕒	Medium	+
<input type="checkbox"/>	☆	Segregate even and odd...	🕒	Medium	+
<input type="checkbox"/>	☆	Rearrange a given linked li...	🕒	Medium	+
<input type="checkbox"/>	☆	Merge k Sorted Lists	🕒	Medium	+
<input type="checkbox"/>	☆	Reverse Nodes in k-Group	🕒	Hard	+



Subtraction in Linked List



Hard



Flattening a Linked List



Medium



Stack and Queues



Implement Queue using...



Easy



Backspace String Compare



Easy



Implement Stack using...



Easy



Implement Stack and Que...



Easy



Next Greater Element I



Easy



Evaluation of Postfix...



Easy



Implement two stacks in a...



Easy



Daily Temperatures



Medium



Minimum Cost Tree From...



Medium



<input type="checkbox"/>	☆	Online Stock Span	⌚	Medium	+
<input type="checkbox"/>	☆	Rotten Oranges	⌚	Medium	+
<input type="checkbox"/>	☆	Sum of Subarray Minimums	⌚	Medium	+
<input type="checkbox"/>	☆	Evaluate Reverse Polish...	⌚	Medium	+
<input type="checkbox"/>	☆	Circular Tour	⌚	Medium	+
<input type="checkbox"/>	☆	Remove All Adjacent...	⌚	Medium	+
<input type="checkbox"/>	☆	Flatten Nested List Iterator	⌚	Medium	+
<input type="checkbox"/>	☆	Maximum of minimum for...	⌚	Hard	+
<input type="checkbox"/>	☆	LRU Cache	⌚	Medium	+
<input type="checkbox"/>	☆	The Celebrity Problem	⌚	Medium	+

Tree



<input type="checkbox"/>	☆	Diameter of Binary Tree	⌚	Easy	+
--------------------------	---	-------------------------	---	------	---

<input type="checkbox"/>	☆	Invert Binary Tree	⌚	Easy	+
<input type="checkbox"/>	☆	Subtree of Another Tree	⌚	Easy	+
<input type="checkbox"/>	☆	Range Sum of BST	⌚	Easy	+
<input type="checkbox"/>	☆	Symmetric Tree	⌚	Easy	+
<input type="checkbox"/>	☆	Convert Sorted Array to...	⌚	Easy	+
<input type="checkbox"/>	☆	Merge Two Binary Trees	⌚	Easy	+
<input type="checkbox"/>	☆	Maximum Depth of Binary...	⌚	Easy	+
<input type="checkbox"/>	☆	Binary Tree Paths	⌚	Easy	+
<input type="checkbox"/>	☆	Same Tree	⌚	Easy	+
<input type="checkbox"/>	☆	Lowest Common Ancestor...	⌚	Medium	+
<input type="checkbox"/>	☆	Path Sum	⌚	Easy	+
<input type="checkbox"/>	☆	Minimum Absolute...	⌚	Easy	+

<input type="checkbox"/>	☆	Sum of Left Leaves	🕒	Easy	+
<input type="checkbox"/>	☆	Balanced Binary Tree	🕒	Easy	+
<input type="checkbox"/>	☆	Predecessor and Successor	🕒	Medium	+
<input type="checkbox"/>	☆	Binary Tree Inorder...	🕒	Easy	+
<input type="checkbox"/>	☆	Check whether BST...	🕒	Medium	+
<input type="checkbox"/>	☆	Binary Search Tree Iterator	🕒	Medium	+
<input type="checkbox"/>	☆	Lowest Common Ancestor...	🕒	Medium	+
<input type="checkbox"/>	☆	Unique Binary Search Tree...	🕒	Medium	+
<input type="checkbox"/>	☆	All Nodes Distance K in...	🕒	Medium	+
<input type="checkbox"/>	☆	Validate Binary Search Tree	🕒	Medium	+
<input type="checkbox"/>	☆	Binary Tree Right Side View	🕒	Medium	+
<input type="checkbox"/>	☆	Binary Tree Level Order...	🕒	Medium	+





































<input type="checkbox"/>	☆	Path Sum III	🕒	Medium	+
<input type="checkbox"/>	☆	Construct Binary Tree fro...	🕒	Medium	+
<input type="checkbox"/>	☆	Unique Binary Search Trees	🕒	Medium	+
<input type="checkbox"/>	☆	Recover Binary Search Tree	🕒	Medium	+
<input type="checkbox"/>	☆	Populating Next Right...	🕒	Medium	+
<input type="checkbox"/>	☆	Flatten Binary Tree to...	🕒	Medium	+
<input type="checkbox"/>	☆	Maximum Width of Binary...	🕒	Medium	+
<input type="checkbox"/>	☆	Min distance between two...	🕒	Medium	+
<input type="checkbox"/>	☆	Kth Smallest Element in a...	🕒	Medium	+
<input type="checkbox"/>	☆	Binary Tree Zigzag Level...	🕒	Medium	+
<input type="checkbox"/>	☆	Count BST Nodes That Lie...	🕒	Easy	+
<input type="checkbox"/>	☆	Preorder To Postorder	🕒	Medium	+

<input type="checkbox"/>	☆	Binary Tree To DLL	⌚	Hard	+
<input type="checkbox"/>	☆	Binary Tree Maximum Pat...	⌚	Hard	+
<input type="checkbox"/>	☆	Sum of Distances in Tree	⌚	Hard	+
<input type="checkbox"/>	☆	Binary Tree Cameras	⌚	Hard	+
<input type="checkbox"/>	☆	Vertical Order Traversal of...	⌚	Hard	+
<input type="checkbox"/>	☆	Print all K-Sum Paths in a...	⌚	Medium	+
<input type="checkbox"/>	☆	Serialize and Deserialize...	⌚	Hard	+
<input type="checkbox"/>	☆	Median of BST	⌚	Easy	+
<input type="checkbox"/>	☆	Largest BST	⌚	Medium	+
<input type="checkbox"/>	☆	Construct Tree From...	⌚	Medium	+

Graph



<input type="checkbox"/>	☆	BFS of graph	⌚	Easy	+
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<input type="checkbox"/>		DFS of Graph		Easy	
<input type="checkbox"/>		Number of Islands		Medium	
<input type="checkbox"/>		Flood Fill		Easy	
<input type="checkbox"/>		Rat in a Maze Problem - I		Medium	
<input type="checkbox"/>		Detect cycle in an...		Medium	
<input type="checkbox"/>		Detect cycle in a directed...		Medium	
<input type="checkbox"/>		Steps by Knight		Medium	
<input type="checkbox"/>		Decode String		Medium	
<input type="checkbox"/>		Shortest Bridge		Medium	
<input type="checkbox"/>		Number of Operations to...		Medium	
<input type="checkbox"/>		Find Eventual Safe States		Medium	
<input type="checkbox"/>		Strongly Connected...		Medium	

<input type="checkbox"/>	☆	Time Needed to Inform All...	🕒	Medium	+
<input type="checkbox"/>	☆	Graph Coloring	🕒	Medium	+
<input type="checkbox"/>	☆	Most Stones Removed wit...	🕒	Medium	+
<input type="checkbox"/>	☆	As Far from Land as...	🕒	Medium	+
<input type="checkbox"/>	☆	Find the City With the...	🕒	Medium	+
<input type="checkbox"/>	☆	Prerequisite Tasks	🕒	Medium	+
<input type="checkbox"/>	☆	Minimum Spanning Tree	🕒	Medium	+
<input type="checkbox"/>	☆	Floyd Warshall	🕒	Medium	+
<input type="checkbox"/>	☆	Evaluate Division	🕒	Medium	+
<input type="checkbox"/>	☆	Snakes and Ladders	🕒	Medium	+
<input type="checkbox"/>	☆	Topological sort	🕒	Medium	+
<input type="checkbox"/>	☆	Cheapest Flights Within K...	🕒	Medium	+

<input type="checkbox"/>	☆	Detect a negative cycle in ...	🕒	Medium	+
<input type="checkbox"/>	☆	Bipartite Graph	🕒	Medium	+
<input type="checkbox"/>	☆	Longest Increasing Path in...	🕒	Hard	+
<input type="checkbox"/>	☆	Making A Large Island	🕒	Hard	+
<input type="checkbox"/>	☆	Remove Boxes	🕒	Hard	+
<input type="checkbox"/>	☆	Alien Dictionary	🕒	Hard	+
<input type="checkbox"/>	☆	Critical Connections in a...	🕒	Hard	+
<input type="checkbox"/>	☆	Water Jug problem using...	🕒	Medium	+
<input type="checkbox"/>	☆	Travelling Salesman...	🕒	Medium	+
<input type="checkbox"/>	☆	Total number of Spanning...	🕒	Medium	+
<input type="checkbox"/>	☆	Word Ladder	🕒	Hard	+
<input type="checkbox"/>	☆	Minimize Cash Flow amon...	🕒	Hard	+



Redundant Connection



Medium



Trie



Design Add and Search...



Medium



Word Break (Trie)



Hard



Implement Trie (Prefix Tree)



Medium



Palindrome Pairs



Hard



Phone directory



Hard



Heap (Priority Queue)



Dynamic Programming



Climbing Stairs



Easy



Maximum Product Subarray



Medium



Ones and Zeroes



Medium



<input type="checkbox"/>	☆	Counting Bits	🕒	Easy	+
<input type="checkbox"/>	☆	Knight Dialer	🕒	Medium	+
<input type="checkbox"/>	☆	Maximize The Cut...	🕒	Medium	+
<input type="checkbox"/>	☆	Unique Paths	🕒	Medium	+
<input type="checkbox"/>	☆	Minimum Path Sum	🕒	Medium	+
<input type="checkbox"/>	☆	Coin Change	🕒	Medium	+
<input type="checkbox"/>	☆	Decode Ways	🕒	Medium	+
<input type="checkbox"/>	☆	Maximum Length of...	🕒	Medium	+
<input type="checkbox"/>	☆	Longest Increasing...	🕒	Medium	+
<input type="checkbox"/>	☆	Longest Common Substring	🕒	Medium	+
<input type="checkbox"/>	☆	Count Square Submatrice...	🕒	Medium	+
<input type="checkbox"/>	☆	Maximal Square	🕒	Medium	+

<input type="checkbox"/>	☆	Mobile numeric keypad	🕒	Medium	+
<input type="checkbox"/>	☆	Job Sequencing Problem	🕒	Medium	+
<input type="checkbox"/>	☆	Delete and Earn	🕒	Medium	+
<input type="checkbox"/>	☆	Range Sum Query 2D -...	🕒	Medium	+
<input type="checkbox"/>	☆	Optimal Binary Search Tree	🕒	Medium	+
<input type="checkbox"/>	☆	Frog Jump	🕒	Hard	+
<input type="checkbox"/>	☆	Best Time to Buy and Sell...	🕒	Hard	+
<input type="checkbox"/>	☆	Minimum Insertion Steps t...	🕒	Hard	+
<input type="checkbox"/>	☆	Largest area rectangular...	🕒	Hard	+
<input type="checkbox"/>	☆	Trapping Rain Water	🕒	Hard	+
<input type="checkbox"/>	☆	Minimum Cost to Merge...	🕒	Hard	+
<input type="checkbox"/>	☆	Count Different Palindromi...	🕒	Hard	+

<input type="checkbox"/>	☆	Maximal Rectangle	🕒	Hard	+
<input type="checkbox"/>	☆	Burst Balloons	🕒	Hard	+
<input type="checkbox"/>	☆	Super Egg Drop	🕒	Hard	+
<input type="checkbox"/>	☆	Partition Equal Subset Sum	🕒	Medium	+

Two Pointers and Sliding Window				^	
<input type="checkbox"/>	☆	Sort Colors	🕒	Medium	+
<input type="checkbox"/>	☆	Longest Repeating...	🕒	Medium	+
<input type="checkbox"/>	☆	Maximum Number of Visib...	🕒	Hard	+

Greedy				^	
<input type="checkbox"/>	☆	Gas Station	🕒	Medium	+
<input type="checkbox"/>	☆	Minimum cost for acquirin...	🕒	Medium	+
<input type="checkbox"/>	☆	Restore the Array From...	🕒	Medium	+

<input type="checkbox"/>	☆	Task Scheduler	🕒	Medium	+
<input type="checkbox"/>	☆	Minimum Deletions to Mak...	🕒	Medium	+
<input type="checkbox"/>	☆	Remove K Digits	🕒	Medium	+
<input type="checkbox"/>	☆	CHOCOLA - Chocolate	🕒	Medium	+
<input type="checkbox"/>	☆	Non-overlapping Intervals	🕒	Medium	+
<input type="checkbox"/>	☆	Minimum Time to Make...	🕒	Medium	+

Backtracking					^
<input type="checkbox"/>	☆	Combination Sum II	🕒	Medium	+
<input type="checkbox"/>	☆	Combinations	🕒	Medium	+
<input type="checkbox"/>	☆	Subsets II	🕒	Medium	+
<input type="checkbox"/>	☆	M-Coloring Problem	🕒	Medium	+
<input type="checkbox"/>	☆	Beautiful Arrangement	🕒	Medium	+

<input type="checkbox"/>	☆	Palindrome Partitioning	🕒	Medium	+
<input type="checkbox"/>	☆	Permutations II	🕒	Medium	+
<input type="checkbox"/>	☆	Subsets	🕒	Medium	+
<input type="checkbox"/>	☆	N-Queens	🕒	Hard	+
<input type="checkbox"/>	☆	Sudoku Solver	🕒	Hard	+
<input type="checkbox"/>	☆	Unique Paths III	🕒	Hard	+
<input type="checkbox"/>	☆	Largest number in K swaps	🕒	Medium	+
<input type="checkbox"/>	☆	Partition array to K subsets	🕒	Hard	+
<input type="checkbox"/>	☆	Tug of War	🕒	Hard	+
<input type="checkbox"/>	☆	Find Paths From Corner C...	🕒	Medium	+
<input type="checkbox"/>	☆	Solving Cryptarithmic...	🕒	Medium	+
<input type="checkbox"/>	☆	Find All Possible...	🕒	Medium	+

Segment Tree



Range Sum Query -...



Easy



Range Sum Query - Mutable



Medium



Count of Smaller Numbers...



Hard



Count of Range Sum



Hard



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