Code Thanish's DSA Sheet

Designed by	Thanish Rishi K	
Sheet objective	Completete A-Z Dsa Sheet in Tamil	Target - Crack Any software engineer company including Maang
Doubts and support	Code Thanish (Whatsapp group)	
Youtube Channels	Code Thanish	
Instagram	Thanish_rishi	
Linkedin	Thanish rishi	

DIFFICULTY COLORS

BASICS	EASY	MEDIUM	HARD

TOPICS	LECTURE / QUESTIONS	VIDEO (Solution)	QUESTIONS & SOLUTION	REMARKS
		BASICS		
BASICS	C++ Basics Part - 1	c++ in tamil | Beginner to Advance in just 2 hours | c++ tamil | Part 1 | Code Th	-	
BASICS	C++ Basics Part - 2 (Solving 30 Problems)	tamil | 30 problems live solving| Basic to Pro Coder | c++ tamil | Part - 2 | Cod	-	Must watch to get a strong hold in basics
BASICS	C++ Stl in one shot	STL full course in tamil | one shot video | time complexity and notes | c++ stl t	-	
BASICS	Pattern priniting to get strong in loops	any patterns in seconds with these three tricks! - Tamil | Code Thanish Dsa S	https://spicy-fire-848.notion.site/Must-do-Patterns-Code-Thanish-4e6c8985d3aa4f98b3b2bc7b083334c4	
BASICS	Time Complexity	Space complexity in depth explanation - தமிழ் | Tamil | Big O Notation | Cod	-	
		MATH		
MATH	Math Basics to get started	basic math you needed to get started with DSA! | Math - 1 | Code Thanish Dsa	-	
MATH	Number Systems	Systems and it's Conversions - Binary , Decimal | Math - 2 | Code Thanish Ds	-	
MATH	Ranges of Data Type	Ranges of Data Types (Bytes) - Tamil | Math - 3 | Code Thanish Dsa Sheet	-	
MATH	Numbers of factors	t all Divisors or Factors of a Number - Tamil | Math - 4 | Code Thanish Dsa Sh	https://spicy-fire-848.notion.site/Print-All-divisors-1319f6010e5e80ccafd1f763670f1a44?pvs=4	
MATH	Prime Number	ow to find a Number Prime or Not? - Tamil | Math - 5 | Code Thanish Dsa Shee	https://spicy-fire-848.notion.site/Find-Prime-or-Not-1329f6010e5e80c0bbf2d9d133ae6c7f?pvs=4	
MATH	Prime factorization	orization of a Number - Optimized Trial Division Method in tamil | Math - 6 | Co	https://spicy-fire-848.notion.site/Prime-Factorization-1349f6010e5e80209699c91bffe4c8fd?pvs=4	
MATH	Sieve of eratosethenes	of Eratosthenes Algorithm - Deep Explanation | Math - 7 | Code Thanish Dsa	https://www.notion.so/Sieve-of-Eratosthenes-1349f6010e5e80c1a651c5aa0d3d9d0f	
MATH	Sieve of eratosethenes (Count Primes)	Coming soon		
MATH	Binary Exponentation	https://youtu.be/rJYykwqg4DY	https://spicy-fire-848.notion.site/Binary-Exponentation-1359f6010e5e807da3d3d95ecb0f05f5	
MATH	GCD / HCF of two numbers (eucilidean algo)	Coming soon		
MATH	LCM	Coming soon		
MATH	nCr - Binomial coefficients	Coming soon		
MATH	Unique Binary Search Trees (Catalan Numbers)	Coming soon		
		BIT MANIPULATION		
BIT MANIPULATION	Introduction to bit manipulation	Coming soon		
BIT MANIPULATION	Odd or even without arithmetic operator	Coming soon		
BIT MANIPULATION	Is a number powers of two ?	Coming soon		
BIT MANIPULATION	Swap two number using bitwise operator	Coming soon		
BIT MANIPULATION	Number of set bits	Coming soon		
BIT MANIPULATION	Count bits	Coming soon		
BIT MANIPULATION	Sum of two number without + and -	Coming soon		
BIT MANIPULATION	Print subsequence (power set)	Coming soon		
BIT MANIPULATION	Single number	Coming soon		
BIT MANIPULATION	L to R XOR	Coming soon		
BIT MANIPULATION	Bitwise and of number range	Coming soon		
BIT MANIPULATION	Hamming distance	Coming soon		
		SORTING ALGORITHMS		
SORTING ALGORITHM	Selection sort	ection sort in tamil with time complexity and dry run | Sorting algorithm-1 | Cod		
SORTING ALGORITHM	Bubble sort	le sort algorithm in tamil with time complexity and code | Sorting - 2 | Code Tha		
SORTING ALGORITHM	Insertion sort	on sort algorithm in tamil with time complexity and code | Sorting - 3 | Code Th		
SORTING ALGORITHM	Counting sort	sort algorithm in tamil with time complexity + code | Sorting Algorithm - 3 | Cod		
SORTING ALGORITHM	Radix sort	Coming Soon		

SORTING ALGORITHM	Quick sort	Coming Soon	
SORTING ALGORITHM	Merge sort	Coming Soon	
SORTING ALGORITHM	Bucket sort	Coming Soon	

HASHING

BASICS	Hashing	Hashtable	Hashmap	Collisions (Imp)	shtable	Hashmap , DAT	Collisions and it's technique	Tamil |Code Thanish

ARRAY PROBLEMS

ARRAY	Largest or smallest element in an array	st and Smallest element in a array tamil	Arrayeasy - 1	Brute + Optimize	Co
ARRAY	Second Largest element in an array	ond Largest element in an array tamil	Arrayeasy - 2	Brute + Optimize	Cod
ARRAY	Check if an array is sorted	k if an array is sorted or not in tamil	Arrayeasy - 3	code + theory	Code Tha
ARRAY	Reverse an array or string	string or an array tamil	Two Pointers	Arrayeasy - 4	Brute + Optimize	Coc
ARRAY	Remove duplicates from sorted array	e duplicates from sorted array in tamil	Two Pointers	Arrayeasy - 5	Code T
ARRAY	Rotate array left by one places	otate array left by one in tamil	Code + Optimal	Arrayeasy - 5	Code Thanis
ARRAY	Rotate array after k places	e array right after k places in tamil	Better + Optimal	Arrayeasy - 7	Code Th
ARRAY	Move zeroes to end of the array	Move zeroes to end in tamil	Brute - Optimal	Arrayeasy - 8	Code Thanish
ARRAY	Linear Search a element in an array	rch a element in an array tamil	Linear Search	Arrayeasy - 9	Code Tha
ARRAY	Find union of two sorted array	n of two sorted array in tamil	Burte + Optimal with code	Arrayeasy - 10	Cod
ARRAY	Find intersection of two sorted array	ersection of two sorted array in tamil	Burte + Optimal	Arrayeasy - 11	Code
ARRAY	Check if an array contains duplicate	f an array contains duplicate or not in tamil	Brute - Optimal with code	Code T
ARRAY	Find the missing number	issing number in an array tamil	Arrayeasy - 13	Brute - Optimal + code	Coc
ARRAY	Maximum consecutive ones	mum consecutive one's in tamil	Arrayeasy - 14	Optimal + code	Code Tha
ARRAY	Single Number	er - Find the number that appears once	Arrayeasy - 15	Brute - Optimal	Co

ARRAY	2 Sum	most asked google interview question tamil	Arraymedium - 1	Brute - Optima
ARRAY	Sort Colors 0's 1's and 2's	lors - sort an array of 0's 1's & 2's	array medium - 2	brute - optimal	code 7
ARRAY	Majority element - N/2 Times	y element (N /2 Times) in tamil	array medium - 3	brute - optimal	code Tl
ARRAY	Print all subarrays in an array	Print all subarrays or substring in tamil	Array medium - 4	Code Thanish
ARRAY	Maximum subarray sum (Kadane's algorithm)	algorithm	Maximum subarray sum in tamil	Array medium - 5	Code Thanish
ARRAY	Best time to buy and sell stock	Best Time to Buy and Sell Stock In Tamil	Array medium - 6	Code Thanish
ARRAY	Leaders in an array	Coming soon
ARRAY	Group of anagrams	Coming soon
ARRAY	Rearrange arary elements by sign	Coming soon
ARRAY	Subarray sum equals K	Coming soon

ARRAY	3 Sum	Coming soon
ARRAY	4 Sum	Coming soon
ARRAY	Majority element - N/3 times	Coming soon
ARRAY	Merge intervals	Coming soon
ARRAY	Merge sorted arrays	Coming soon
ARRAY	Count inversion	Coming soon
ARRAY	Count of small numbers after self	Coming soon
ARRAY	Closest subsequence sum	Coming soon
ARRAY	Kth largest element (quick select)	Coming soon
ARRAY	Reverse pairs	Coming soon
ARRAY	Maximum product subarray	Coming soon

MATRIX PROBLEMS

MATRIX	Pascal's triangle	Coming soon
MATRIX	Set matrix zeroes	Coming soon
MATRIX	Rotate Image	Coming soon

MATRIX	Spiral Matrix	Coming soon
MATRIX	Spiral Matrix II	Coming soon
MATRIX	Valid Sudoku	Coming soon

BINARY SEARCH

SIMPLE BINARY SEARCH	Introduction to binary search	Coming soon
SIMPLE BINARY SEARCH	Binary Search	Coming soon
SIMPLE BINARY SEARCH	Guess number higher or lower	Coming soon
SIMPLE BINARY SEARCH	Lower bound	Coming soon
SIMPLE BINARY SEARCH	Upper bound	Coming soon

Category	Problem	Link
SIMPLE BINARY SEARCH	Search insert position	Coming soon
SIMPLE BINARY SEARCH	Find smallest letter greater than the target	Coming soon
SIMPLE BINARY SEARCH	Find first and last position of element in sorted array	Coming soon
SIMPLE BINARY SEARCH	Number of occurence	Coming soon
SIMPLE BINARY SEARCH	Search in rotated sorted array - I	Coming soon
SIMPLE BINARY SEARCH	Search in rotated sorted array - II	Coming soon
SIMPLE BINARY SEARCH	Minimum in rotated sorted array	Coming soon
SIMPLE BINARY SEARCH	Single element in a sorted array	Coming soon
SIMPLE BINARY SEARCH	Find peak element	Coming soon
BS ON ANSWERS	Sqrt(x)	Coming soon
BS ON ANSWERS	Find Nth root of M	Coming soon
BS ON ANSWERS	Koko eating bannanas	Coming soon
BS ON ANSWERS	Maximum candies allocated to k childrens	Coming soon
BS ON ANSWERS	Minimum days to make m bouquets	Coming soon
BS ON ANSWERS	Capacity to ship packages with D days	Coming soon
BS ON ANSWERS	Find the smallest divisor	Coming soon
BS ON ANSWERS	Kth missing positive number	Coming soon
BS ON ANSWERS	Aggressive cows	Coming soon
BS ON ANSWERS	Allocate Books	Coming soon
BS ON ANSWERS	Split array largest sum	Coming soon
BS ON ANSWERS	Minimize max distance to gas station	Coming soon
BS ON ANSWERS	Median of two sorted array	Coming soon
BS ON ANSWERS	Kth element of two sorted arrays	Coming soon
BS ON MATRIX	Binary Search in matrix	Coming soon
BS ON MATRIX	Binary Search in matrix - II	Coming soon
BS ON MATRIX	Peak element in matrix	Coming soon
BS ON MATRIX	Matrix Median	Coming soon

SLIDING WINDOW

Category	Problem	Link
SLIDING WINDOW	Introduction to sliding window	Coming soon
FIXED SIZE - SW	Maximum Average Subarray I	Coming soon
FIXED SIZE - SW	Maximum Sum Subarray of size K	Coming soon
FIXED SIZE - SW	First Negative Number in every Window of Size K	Coming soon
FIXED SIZE - SW	Count Occurrences Of Anagrams	Coming soon
FIXED SIZE - SW	Maximum Sum of Distinct Subarrays With Length K	Coming soon
FIXED SIZE - SW	Perumation in string	Coming soon
FIXED SIZE - SW	Check If a String Contains All Binary Codes of Size K	Coming soon
VARIABLE SIZE - SW	Largest subarray with sum K	Coming soon
VARIABLE SIZE - SW	Longest Substring With K Unique Characters	Coming soon
VARIABLE SIZE - SW	Longest Substring Without Repeating Characters	Coming soon
VARIABLE SIZE - SW	Minimum Window Substring	Coming soon

LINKED LIST

Category	Problem	Link
LINKED LIST	Introduction to Linked List	https://youtu.be/wSOfgljw7tU?si=AfU_8tp2HlDtIZkW

SINGLY LINKED LIST

Category	Problem	Link
SINGLY LINKED LIST	Insertion at front , end , specified position in singly ll	https://youtu.be/VtEDdLSjEYU?si=mFojEz4YBt2em9zY
SINGLY LINKED LIST	Deleting at front , end , specified position in singly ll	Coming soon
SINGLY LINKED LIST	Search a element in linked list	https://youtu.be/eThZCIcH1TA?si=gZUmnHyGJjpbJ-md
SINGLY LINKED LIST	Middle of a linked list	https://youtu.be/ErJQk3-p_6Q?si=h3LAZHosrNzjQssM
SINGLY LINKED LIST	Reverse a linked list	https://youtu.be/L47YW2c16XA?si=mf6iGjaCSW1POtGm
SINGLY LINKED LIST	Linked List Cycle	https://youtu.be/3ppcCQIIXHU?si=A5TivyYTGKFYHfxk
SINGLY LINKED LIST	Length of the Cycle in linked list	https://youtu.be/DSoK2Yw86fc?si=SB7_Q88r9b6stc8v
SINGLY LINKED LIST	Find the starting point where cycle occurs	Coming soon
SINGLY LINKED LIST	Palindrome Linked List	Coming soon
SINGLY LINKED LIST	Seperate odd and even nodes in ll	Coming soon
SINGLY LINKED LIST	Remove Nth Node From End of Linked List	Coming soon
SINGLY LINKED LIST	Delete the middle node of Lineked List	Coming soon
SINGLY LINKED LIST	Sort Linked List (Merge sort)	Coming soon

SINGLY LINKED LIST	Sort colors in ll	Coming soon
SINGLY LINKED LIST	Intersection of two linked list	Coming soon
SINGLY LINKED LIST	Partition List	Coming soon
SINGLY LINKED LIST	Add two numbers in ll	Coming soon
SINGLY LINKED LIST	Reverse ll in k-Group	Coming soon
SINGLY LINKED LIST	Rotate a ll	Coming soon
SINGLY LINKED LIST	Flattening of a ll	Coming soon
SINGLY LINKED LIST	Copy linked list with random pointer	Coming soon

DOUBLY LINKED LIST

DOUBLY LINKED LIST	Insertion at front , end , specified position in singly ll	Coming soon
DOUBLY LINKED LIST	Deleting at front , end , specified position in singly ll	Coming soon

STACK & QUEUE

STACK	Implement stack using array	Coming soon
STACK	Implement stack using Linkedlist	Coming soon
STACK	Implement stack using queue	Coming soon
STACK	Implement Min Stack	Coming soon
STACK	Check for balanced paranthesis	Coming soon
STACK	Reverse a stack without using extra space	Coming soon
STACK CONVERSIONS	Infix to postfix conversion	Coming soon
STACK CONVERSIONS	postfix to infix conversion	Coming soon
STACK CONVERSIONS	prefix to infix conversion	Coming soon
STACK CONVERSIONS	Infix to prefix conversion	Coming soon
STACK CONVERSIONS	prefix to postfix conversion	Coming soon
STACK CONVERSIONS	postfix to prefix conversion	Coming soon
STACK CONVERSIONS	Basic Calculator	Coming soon
STACK CONVERSIONS	Basic Calculator II	Coming soon
MONOTONIC STACK	Next greater element	Coming soon
MONOTONIC STACK	Previous greater element	Coming soon
MONOTONIC STACK	Next smaller element	Coming soon
MONOTONIC STACK	Previous smaller element	Coming soon
MONOTONIC STACK	Daily temperature	Coming soon
MONOTONIC STACK	132 pattern	Coming soon
MONOTONIC STACK	Number of visible people in a queue	Coming soon
MONOTONIC STACK	Trapping rainwater	Coming soon
MONOTONIC STACK	Sum of subarray minimum	Coming soon
MONOTONIC STACK	Largest rectangle in a histogram	Coming soon
MONOTONIC STACK	Remove k digits	Coming soon
MONOTONIC STACK	Maximal Rectangle	Coming soon

RECURSION

RECURSION	Introduction to recursion	Coming soon
RECURSION	Solving basic recursion problems part - 1	Coming soon
RECURSION	Solving basic recursion problems part - 2	Coming soon
RECURSION	Tower Of Hanoi	
RECURSION	Generate paranthessis	Coming soon
RECURSION	Print all subsequence	Coming soon
RECURSION	Combination sum	Coming soon
RECURSION	Combination sum - II	Coming soon
RECURSION	Combination sum - III	Coming soon
RECURSION	Subset Sum - I	Coming soon
RECURSION	Subset Sum - II	Coming soon
RECURSION	Merge Sort	Coming soon
RECURSION	Quick Sort	Coming soon
RECURSION	Print permutation - method 1	Coming soon
RECURSION	Print permutation - method 2	Coming soon
RECURSION	Letter combination of a phone number	Coming soon
RECURSION	Word search	Coming soon

RECURSION	Word search - II	Coming soon	
RECURSION	N - Queens	Coming soon	
RECURSION	N - Queens II	Coming soon	
RECURSION	Sudoku Solver	Coming soon	
RECURSION	Rat in a maze	Coming soon	
RECURSION	M Coloring Problem	Coming soon	
RECURSION	Remove invalid paranthessis	Coming soon	

TREE

TREE	Introduction to trees	Coming soon	
TREE	Preorder traversal (recursive)	Coming soon	
TREE	Preorder traversal (iterative)	Coming soon	
TREE	Inorder traversal (recursive)	Coming soon	
TREE	Inorder traversal (iterative)	Coming soon	
TREE	Postorder traversal (recursive)	Coming soon	
TREE	Postorder traversal (iterative)	Coming soon	
TREE	Level order traversal	Coming soon	
TREE	Mrorris preorder traversal	Coming soon	
TREE	Mrorris inorder traversal	Coming soon	

TREE	Count good nodes of a binary tree		
TREE	Maximum Depth of Binary Tree	Coming soon	
TREE	Diameter of Binary Tree	Coming soon	
TREE	Binary Tree Maximum Path Sum	Coming soon	
TREE	Cousins in binary tree		
TREE	Same Tree	Coming soon	
TREE	Symmetric tree	Coming soon	
TREE	Mirror Tree	Coming soon	
TREE	Invert Binary Tree	Coming soon	
TREE	Binary Tree Zigzag Level Order Traversal	Coming soon	
TREE	Vertical Order Traversal of a Binary Tree	Coming soon	
TREE	Diagonal Traversal of a Binary tree	Coming soon	
TREE	Boundary Traversal of a Binary Tre	Coming soon	
TREE	Left view of a tree	Coming soon	
TREE	Right view of a tree	Coming soon	
TREE	Top view of a tree	Coming soon	
TREE	Bottom view of a tree	Coming soon	

TREE	Lowest Common Ancestor of a Binary Tree	Coming soon	
TREE	Maximum Width of Binary Tree	Coming soon	
TREE	Minimum Time to Collect All Apples in a Tree	Coming soon	
TREE	Count Complete Tree Nodes	Coming soon	
TREE	Binary Tree from Preorder and Inorder Traversal	Coming soon	
TREE	Binary Tree from Inorder and Postorder Traversal	Coming soon	
TREE	Serialize and Deserialize Binary Tree	Coming soon	
TREE	Flatten Binary Tree to Linked List	Coming soon	

BINARY SEARCH TREE

BINARY SEARCH TREE	Introduction To Binary Search Trees	Coming soon	
BINARY SEARCH TREE	Search in a Binary Search Tree	Coming soon	
BINARY SEARCH TREE	Find min and max element in BST	Coming soon	
BINARY SEARCH TREE	Find inorder successor and inorder predecessor in a BST	Coming soon	
BINARY SEARCH TREE	Check for BST	Coming soon	
BINARY SEARCH TREE	Insert into a Binary Search Tree	Coming soon	
BINARY SEARCH TREE	Delete Node in a BST	Coming soon	
BINARY SEARCH TREE	Kth Smallest Element in a BST	Coming soon	

HEAP

HEAP	Introduction to Heap	Coming soon	
HEAP	Heapify algorithm (min heap , max heap)	Coming soon	
HEAP	Build Heap Algorithm	Coming soon	
HEAP	Heap Sort Algorithm	Coming soon	

HEAP	Heap implementations (Push , Pop)	Coming soon	
HEAP	Heap implementations (Increase key , Decrease key)	Coming soon	
HEAP - (TOP K)	Last Stone Weight	Coming soon	
HEAP - (TOP K)	Kth Largest Element in an Array	Coming soon	
HEAP - (TOP K)	K closest points to origin	Coming soon	
HEAP - (TOP K)	Top K Frequent Elements	Coming soon	
HEAP - (TOP K)	Top K Frequent Words	Coming soon	
HEAP - (TOP K)	Kth Largest Element in a Stream	Coming soon	
HEAP - (MERGE K)	Merge k Sorted Lists	Coming soon	
HEAP - (MERGE K)	K pairs with the smallest sum	Coming soon	
HEAP - (TWO HEAP)	Find median from a data stream	Coming soon	
HEAP - (TWO HEAP)	Sliding window Median	Coming soon	
HEAP - (TWO HEAP)	Maximize Capital/IPO	Coming soon	

TRIE

TRIE	Implement Trie (Prefix Tree)	Coming soon	
TRIE	Implement Trie - II (Prefix Tree)	Coming soon	
TRIE	Design add and search words data structure	Coming soon	
TRIE	Maximum XOR of 2 numbers in an array	Coming soon	
TRIE	Maximum XOR With an Element From Array	Coming soon	
TRIE	Word Break - I	Coming soon	
TRIE	Word Break - II	Coming soon	

SEGMENT TREE

SEGMENT TREE	Introduction to segment tree	Coming soon	
SEGMENT TREE	Segment tree complete setup (build , update, query)	Coming soon	
SEGMENT TREE	Dynamic Range Sum Queries	Coming soon	
SEGMENT TREE	Dynamic Range Min and Max Queries	Coming soon	
SEGMENT TREE	Range Xor Queries	Coming soon	
SEGMENT TREE	Range GCD Queries	Coming soon	
SEGMENT TREE	Range LCM Queries	Coming soon	
SEGMENT TREE	Range Update Queries	Coming soon	

GRAPH

GRAPH	Introduction to graph (representation , types , components)	Coming soon	
GRAPH - (TRAV & PROB)	Traversal - DFS	Coming soon	
GRAPH - (TRAV & PROB)	Traversal - BFS	Coming soon	
GRAPH - (TRAV & PROB)	All Paths From Source to Target	Coming soon	
GRAPH - (TRAV & PROB)	Clone graph	Coming soon	
GRAPH - (TRAV & PROB)	Is Graph Bipartite?	Coming soon	
GRAPH - (TRAV & PROB)	Surronded Regions	Coming soon	
GRAPH - (TRAV & PROB)	Flood Fill	Coming soon	
GRAPH - (TRAV & PROB)	Number of enclaves	Coming soon	
GRAPH - (TRAV & PROB)	Rotten Oranges	Coming soon	
GRAPH - (TRAV & PROB)	Detonate the maximum bomb	Coming soon	
GRAPH - (TRAV & PROB)	01 Matrix	Coming soon	
GRAPH - (CYCLE & TOPO)	Detect Cycle in an Undirected Graph - DFS	Coming soon	
GRAPH - (CYCLE & TOPO)	Detect Cycle in an Undirected Graph - BFS	Coming soon	
GRAPH - (CYCLE & TOPO)	Detect Cycle in an Directed Graph - DFS	Coming soon	
GRAPH - (CYCLE & TOPO)	Topological sort - DFS	Coming soon	
GRAPH - (CYCLE & TOPO)	Topological sort - BFS (The khan's algorithm)	Coming soon	
GRAPH - (CYCLE & TOPO)	Detect Cycle in an Directed Graph - BFS	Coming soon	
GRAPH - (CYCLE & TOPO)	Course Schedule	Coming soon	
GRAPH - (CYCLE & TOPO)	Course Schedule - II	Coming soon	
GRAPH - (CYCLE & TOPO)	Find Eventual Safe States	Coming soon	
GRAPH - (CYCLE & TOPO)	Loud and Rich	Coming soon	
GRAPH - (DSUF & MST)	Complete introduction of Disjoint set (Union & find)	Coming soon	
GRAPH - (DSUF & MST)	Number of provinces (DSUF)	Coming soon	
GRAPH - (DSUF & MST)	Accounts Merge	Coming soon	

GRAPH - (DSUF & MST)	Regions Cut By Slashes	Coming soon
GRAPH - (DSUF & MST)	Remove Max Number of Edges to Keep Graph Traversable	Coming soon
GRAPH - (DSUF & MST)	Introduction to minimum spanning tree	Coming soon
GRAPH - (DSUF & MST)	MST - Prim's algorithm	Coming soon
GRAPH - (DSUF & MST)	MST - Kruskal's algorithm	Coming soon
GRAPH - (DSUF & MST)	Number of Operations to Make Network Connected	Coming soon
GRAPH - (DSUF & MST)	Min Cost to Connect All Points	Coming soon
GRAPH - (SHORTEST PATH)	Dijikstra's Algorithm	Coming soon
GRAPH - (SHORTEST PATH)	Dijikstra's Algorithm with heap (Optimized)	Coming soon
GRAPH - (SHORTEST PATH)	Shortest Path in Binary Matrix	Coming soon
GRAPH - (SHORTEST PATH)	Path With Minimum Effort	Coming soon
GRAPH - (SHORTEST PATH)	Path with Maximum Probability	Coming soon
GRAPH - (SHORTEST PATH)	Cheapest Flights Within K Stops	Coming soon
GRAPH - (SHORTEST PATH)	Network Delay Time	Coming soon
GRAPH - (SHORTEST PATH)	Number of ways to reach	Coming soon
GRAPH - (SHORTEST PATH)	Bellman ford algorithm	Coming soon
GRAPH - (SHORTEST PATH)	Cheapest Flights Within K Stops (Bellman ford)	Coming soon
GRAPH - (SHORTEST PATH)	Floyd warshal's algorithm	Coming soon
GRAPH - (MORE ALGOS)	Critical Connections in a Network (Tarjan's algorithm)	Coming soon
GRAPH - (MORE ALGOS)	Kosaraja's algorithm	Coming soon

GREEDY

GREEDY	Job Sequencing Problem	Coming soon
GREEDY	Fractional Knapsack Problem	Coming soon
GREEDY	Implement Huffman algorithm	Coming soon
GREEDY	Task Scheduler	Coming soon
GREEDY	Reorganize String	Coming soon
GREEDY	Minimum Number of Taps to Open to Water a Garden	Coming soon
GREEDY	Gas Station	Coming soon
GREEDY	Minimum Deletion Cost to Avoid Repeating Letters	Coming soon
GREEDY	Best Time to Buy and Sell Stock II	Coming soon
GREEDY	Jump Game II	Coming soon
GREEDY	Maximum Number of Events That Can Be Attended	Coming soon
GREEDY	Partition Labels	Coming soon
GREEDY	Two City Scheduling	Coming soon
GREEDY	Jump Game	Coming soon

DYNAMIC PROGRAMMING

DP	Introduction to dynamic programming	Coming soon
LINEAR DP	Climbing stairs	Coming soon
LINEAR DP	Min cost to climb stairs	Coming soon
LINEAR DP	House robber	Coming soon
LINEAR DP	House robber - II	Coming soon
LINEAR DP	Decode Ways	Coming soon
KNAPSACK DP	Introduction to Knapsack dp	Coming soon
KNAPSACK DP	0/1 Knapsack	Coming soon
KNAPSACK DP	Subset Sum	Coming soon
KNAPSACK DP	Partition Equal Subset Sum	Coming soon
KNAPSACK DP	Perfect Sum Problem	Coming soon
KNAPSACK DP	2 keys keyboard	Coming soon
KNAPSACK DP	Target sum	Coming soon
KNAPSACK DP	Unbounded Knapsack	Coming soon
KNAPSACK DP	Coin change	Coming soon
KNAPSACK DP	Coing change - II	Coming soon
GRID DP	Unique Paths	Coming soon
GRID DP	Unique Paths - II	Coming soon
GRID DP	Minimum Path Sum	Coming soon
GRID DP	Minimum Path Cost in a Grid	Coming soon
GRID DP	Triangle	Coming soon
GRID DP	Maximum Non Negative Product in a Matrix	Coming soon

GRID DP	Minimum falling path sum	Coming soon	
GRID DP	Cherry Pickup	Coming soon	
LCS DP	Longest common subsequence	Coming soon	
LCS DP	Longest common substring	Coming soon	
LCS DP	Longest plaindromic subsequence	Coming soon	
LCS DP	Longest plaindromic substring	Coming soon	
LCS DP	Minimum Insertion Steps to Make a String Palindrome	Coming soon	
LCS DP	Delete Operation for Two Strings	Coming soon	
LCS DP	Regular expression matching	Coming soon	
LCS DP	Edit distance	Coming soon	
LCS DP	Wildcard matching	Coming soon	
LCS DP	Shortest Common Supersequence	Coming soon	
LIS DP	Longest Increase subsequence	Coming soon	
LIS DP	Print longest increase subsequence	Coming soon	
LIS DP	Largest Divisible subset	Coming soon	
LIS DP	Number of Longest Increasing Subsequence	Coming soon	
LIS DP	Make Array Strictly Increasing	Coming soon	
LIS DP	Russian Doll Envelopes	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock - II	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock - III	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock - IV	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock with cooldown	Coming soon	
BUY OR SELL DP	Best Time to Buy and Sell Stock with Transaction fees	Coming soon	
MCM DP	Matrix chain multiplication	Coming soon	
MCM DP	Minimum cost to cut the stick	Coming soon	
MCM DP	Burst Ballons	Coming soon	
MCM DP	Parsing a boolean expression	Coming soon	
MCM DP	Palindrome partioning - II	Coming soon	
DIGIT DP	Introduction to Digit dp	Coming soon	
DIGIT DP	Counting Numbers	Coming soon	
DIGIT DP	Number of Digit One	Coming soon	
DIGIT DP	Numbers At Most N Given Digit Set	Coming soon	
	STRING AIGORITHM		
STRING	Kmp algorithm	Coming soon	
STRING	Rolling hash - (Rabin karp algorithm)	Coming soon	
STRING	Z - Function	Coming soon	