Topic	Problem Name	Completed	Revision Count	Revisit
	Arrays			
Arrays Medium	Majority Element-I			
	Leaders in an Array			
	Rearrange array elements by sign			
	Print the matrix in spiral manner			
	Pascal's Triangle I			
	Pascal's Triangle II			
	Pascal's Triangle III			
	Rotate matrix by 90 degrees			
	Two Sum			
	3 Sum			
	4 Sum			
	Sort an array of 0's 1's and 2's			
	Kadane's Algorithm			
	Next Permutation			
Arrays Hard	Majority Element-II			
	Find the repeating and missing number			
	Count Inversions			
	Reverse Pairs			
	Maximum Product Subarray in an Array			
	Merge two sorted arrays without extra space			
Hashing	Longest Consecutive Sequence in an Array			
	Longest subarray with sum K			
	Count subarrays with given sum			
	Count subarrays with given xor K			
	Binary Search			
inary Search	Search X in sorted array			
	Lower Bound			
	Upper Bound			
	Search insert position			
	Floor and Ceil in Sorted Array			
	First and last occurrence			
	Search in rotated sorted array-I			
	Search in rotated sorted array-II			
	Find minimum in Rotated Sorted Array			
	Find out how many times the array is rotated			
	Single element in sorted array			
	Find square root of a number			
	Find Nth root of a number			
	Find the smallest divisor			
	Koko eating bananas			
	Minimum days to make M bouquets			
	Aggressive Cows			
	Book Allocation Problem			

B	Find peak element			
	Median of 2 sorted arrays			
	Kth element of 2 sorted arrays			
	Minimize Max Distance to Gas Station			
	Problem Name	**Completed**	**Revision Count**	**Revisit**
	Split array - largest sum			
	Find row with maximum 1's			
	Search in a 2D matrix			
	Search in 2D matrix - II			
	Find Peak Element - II			
	Matrix Median			
Recursion	Pow(x,n)			
	Generate Parentheses			
	Power Set			
	Check if there exists a subsequence with sum K			
	Count all subsequences with sum K			
	Combination Sum			
	Combination Sum II			
	Subsets I			
	Subsets II			
	Combination Sum III			
	Letter Combinations of a Phone Number			
	Palindrome partitioning			
	Word Search			
	N Queen			
	Rat in a Maze			
	M Coloring Problem			
	Sudoku Solver			
Fundamentals Single LL	Introduction to Singly LinkedList			
	Traversal in Linked List			
	Deletion in Linked List			
	Insertion in Linked List			
	Deletion of the head of LL			
	Deletion of the tail of Linked List			
	Deletion of the Kth element of Linked List			
	Delete the element with value X			
	Insertion at the head of Linked List			
	Insertion at the tail of Linked List			
	Insertion at the Kth position of Linked List			
	Insertion before the value X in Linked List			
	Deletion in Doubly LL			
	Insertion in DLL			
	Convert Array to Doubly Linked List			
	Delete head of Doubly Linked List			
	Delete Tail of Doubly Linked List			
	Delete Kth Element of Doubly Linked List			
	Removing given node in Doubly Linked List			

	Insert node before head in Doubly Linked List			
	Insert node before tail in Doubly Linked List			
	Insert node before (kth node) in Doubly Linked List			
	nsert before given node in Doubly Linked List			
Topic	**Problem Name**	**Completed**	**Revision Count**	**Revisit**
Logic Building	Add two numbers in Linked List			
	Segregate odd and even nodes in Linked List			
	Sort a Linked List of 0's 1's and 2's			
	Remove Nth node from the back of the LL			
	Reverse a LL			
Medium	Add one to a number represented by Linked List			
	Find Middle of Linked List			
	Delete the middle node in LL			
	Check if LL is palindrome or not			
	Find the intersection point of Y LL			
	Detect a loop in Linked List			
	Find the starting point in LL			
	Length of loop in LL			
Hard	Reverse LL in group of given size K			
	Rotate a Linked List			
	Merge two Sorted Lists			
	Flattening of LL			
	Sort LL			
	Clone a LL with random and next pointer			
DLL	Delete all occurrences of a key in DLL			
	Remove duplicated from sorted DLL			
Bit Manipulation	Introduction to Bits and Tricks			
	Minimum Bit Flips to Convert Number			
	Single Number - I			
	Single Number - II			
	Single Number - III			
	Divide two numbers without multiplication and division			
	Power Set Bit Manipulation			
	XOR of numbers in a given range			
Easy Greedy	Assign Cookies			
	Lemonade Change			
	Jump Game - I			
Scheduling and Interval	Shortest Job First			
	Job sequencing Problem			
	N meetings in one room			
	Non-overlapping Intervals			
	Insert Interval			
	Minimum number of platforms required for a railway			
Hard	Valid Paranthesis Checker			
	Candy			
dow	Theory			
	Maximum Points You Can Obtain from Cards			

Topic	Problem Name	Completed	Revision Count	Revisit
Sliding Win	Longest Substring Without Repeating Characters			
	Max Consecutive Ones III			
	Fruit Into Baskets			
	Longest Substring With At Most K Distinct Characters			
2 Pointers	Longest Repeating Character Replacement			
	Minimum Window Substring			
	Number of Substrings Containing All Three Characters			
	Binary Subarrays With Sum			
	Count number of Nice subarrays			
Implemnetation stack & queues	Implementation using different DS			
	Implement Stack using Arrays			
	Implement Queue using Arrays			
	Implement Stack using Queue			
	Implement Queue using Stack			
	Implement stack using Linkedlist			
	Implement queue using Linkedlist			
	Balanced Paranthesis			
Monotonic Stack	Next Greater Element			
	Next Greater Element - 2			
	Asteroid Collision			
	Sum of Subarray Minimums			
	Sum of Subarray Ranges			
	Remove K Digits			
FAQs	Implement Min Stack			
	Sliding Window Maximum			
	Trapping Rainwater			
	Largest rectangle in a histogram			
	Maximum Rectangles			
	Stock span problem			
	Celebrity Problem			
	LRU Cache			
	LFU Cache			
Binary Trees Theory	Introduction			
	Inorder Traversal			
	Preorder Traversal			
	Postorder Traversal			
	Level Order Traversal			
	Pre, Post, Inorder in one traversal			
Medium	Maximum Depth in BT			
	Check if two trees are identical or not			
	Check for balanced binary tree			
	Diameter of Binary Tree			
	Maximum path sum			
	Check for symmetrical BTs			
s	Zig Zag or Spiral Traversal			
	Boundary Traversal			

FAQ	Vertical Order Traversal			
	Top View of BT			
	Bottom view of BT			
	Right/Left View of BT			
Topic	**Problem Name**	**Completed**	**Revision Count**	**Revisit**
FAQs	Print root to node path in BT			
	LCA in BT			
	Maximum Width of BT			
	Print all nodes at a distance of K in BT			
	Minimum time taken to burn the BT from a given Node			
	Count total nodes in a complete BT			
Construction Problems	Requirements needed to construct a unique BT			
	Construct a BT from Preorder and Inorder			
	Construct a BT from Postorder and Inorder			
	Serialize and De-serialize BT			
Traversal in constant space	Morris Inorder Traversal			
	Morris Preorder Traversal			
	Binary Search Trees			
Theory & Basics	Introduction to BST			
	Search in BST			
	Floor and Ceil in a BST			
Medium	Insert a given node in BST			
	Delete a node in BST			
	Kth Smallest and Largest element in BST			
	Check if a tree is a BST or not			
	LCA in BST			
	Construct a BST from a preorder traversal			
	Inorder successor and predecessor in BST			
FAQs	BST iterator			
	Two sum in BST			
	Correct BST with two nodes swapped			
	Largest BST in Binary Tree			
	Heaps			
Theory and Implementation	Heaps (Theory Video)			
	Heapify Algorithm			
	Build heap from a given Array			
	Implement Min Heap			
	Implement Max Heap			
	Check if an array represents a min heap			
	Convert Min Heap to Max Heap			
	Heap Sort			
	K-th Largest element in an array			
FAQs	Kth largest element in a stream of running integers			
	Graphs			

Theory and traversals	Introduction to Graph			
	Traversal Techniques			
	Connected Components			
Topic	**Problem Name**	**Completed**	**Revision Count**	**Revisit**
Traversal Problems	Number of provinces			
	Number of islands			
	Flood fill algorithm			
	Number of enclaves			
	Rotten Oranges			
	Distance of nearest cell having one			
	Surrounded Regions			
	Number of distinct islands			
Cycles	Detect a cycle in an undirected graph			
	Bipartite graph			
	Topological sort or Kahn's algorithm			
	Detect a cycle in a directed graph			
Hard Problems	Find eventual safe states			
	Course Schedule I			
	Course Schedule II			
	Alien Dictionary			
	Shortest path in DAG			
	Shortest path in undirected graph with unit weights			
	Word ladder I			
	Word ladder II			
Shorteset Path Algorithms	Dijkstra's algorithm			
	Print Shortest Path			
	Shortest Distance in a Binary Maze			
	Path with minimum effort			
	Cheapest flight within K stops			
	Minimum multiplications to reach end			
	Number of ways to arrive at destination			
	Bellman ford algorithm			
	Floyd warshall algorithm			
	Find the city with the smallest number of neighbors			
Minimum Spanning Tree	MST theory			
	Disjoint Set			
	Find the MST weight			
Hard Problems II	Number of operations to make network connected			
	Accounts merge			
	Number of islands II			
	Making a large island			
	Most stones removed with same row or column			
Additional Algo	Kosaraju's algorithm			
	Bridges in graph			
	Articulation point in graph			

Topic	Problem Name	Completed	Revision Count	Revisit
	Dynamic Programming			
Introduction	Introduction to DP			
1D DP	Climbing stairs			
	Frog Jump			
	Frog jump with K distances			
	Maximum sum of non adjacent elements			
	House robber			
2D DP	Ninja's training			
DP on Grids	Grid unique paths			
	Unique paths II			
	Minimum Falling Path Sum			
	Triangle			
	Cherry pickup II			
DP On Stocks	Best time to buy and sell stock			
	Best time to buy and sell stock II			
	Best time to buy and sell stock III			
	Best time to buy and sell stock IV			
	Best time to buy and sell stock with transaction fees			
DP on Sub-sequences	Subset sum equals to target			
	Partition equal subset sum			
	Partition a set into two subsets with minimum absolute sum difference			
	Count subsets with sum K			
	Count partitions with given difference			
	0 and 1 Knapsack			
	Minimum coins			
	Target sum			
	Coin change II			
	Unbounded knapsack			
	Rod cutting problem			
LIS	Longest Increasing Subsequence			
	Print Longest Increasing Subsequence			
	Largest Divisible Subset			
	Longest String Chain			
	Longest Bitonic Subsequence			
	Number of Longest Increasing Subsequences			
n Strings	Longest common subsequence			
	Longest common substring			
	Longest palindromic subsequence			
	Minimum insertions to make string palindrome			
	Minimum insertions or deletions to convert string A to B			
	Shortest common supersequence			

DP O	Distinct subsequences			
	Edit distance			
	Wildcard matching			
Topic	**Problem Name**	**Completed**	**Revision Count**	**Revisit**
MCM DP	Matrix chain multiplication			
	Minimum cost to cut the stick			
	Burst balloons			
	Palindrome partitioning II			
	Tries			
Theory	Trie Implementation and Operations			
	Trie Implementation and Advanced Operations			
Problems	Longest Word with All Prefixes			
	Number of distinct substrings in a string			
	Maximum XOR of two numbers in an array			
	Maximum Xor with an element from an array			
	Strings Advance Algos			
Medium Problems	Reverse every word in a string			
	Minimum number of bracket reversals to make an expression balanced			
	Count and say			
Advance Problems(Less asked)	Rabin Karp Algorithm			
	Z function			
	KMP Algorithm or LPS array			
	Shortest Palindrome			
	Longest happy prefix			
	Maths			
Sieve of Eratosthenes	Print all primes till N			
	Prime factorisation of a Number			
	Count primes in range L to R			