DSA SHEET

Array-

Number of Good Pairs

How Many Numbers Are Smaller Than the Current Number

Two Sum

Remove Duplicates from Sorted Array

Missing Number

Majority Element

Sort Colors

Maximum Subarray

Set Matrix Zeroes

Container With Most Water

Search a 2D Matrix
Reverse Pairs

SLIDING WINDOW

Minimum Size Subarray Sum
Max Consecutive Ones III
Minimum Operations to Reduce X to Zero
Minimum Window Substring
Frequency of the Most Frequent Element

TWO POINTERS

Sum of Square Numbers

Number of Subsequences That Satisfy the Given Sum Condition
Minimize Maximum Pair Sum in Array
Trapping Rain Water

STRINGS
Valid Anagram

Isomorphic Strings

Longest Common Prefix

Reverse Words in a String
Group Anagrams
Sum of Beauty of All Substrings
Longest Substring Without Repeating Characters

Longest Palindromic Substring

String to Integer (atoi)
Minimum Window Substring

LINKED LIST

Palindrome Linked List
Intersection of Two Linked Lists

LRU Cache

Add Two Numbers
Rotate List
Reorder List
Linked List Cycle II
Rearrange a Linked List in Zig-Zag fashion

Flattening a Linked List
Reverse Nodes in k-Group

STACK AND QUEUE

Implement Stack using Queues

Next Greater Element I

Valid Parentheses
Next Greater Element II

Asteroid Collision
Remove K Digits

Sliding Window Maximum

Recursion and BackTracking

Fibonacci Number
Pow(x, n)
Power of Three

Combination Sum

Subsets

Coin Change

Elimination Game
Rat in a Maze Problem - I

Word Break

N-Queens

Sudoku Solver

tug-of-war

DYANMIC PROGRAMMING

Fibonacci Number

Climbing Stairs

Counting Bits

Cherry Pickup II
Count of subsets with sum equal to X
Longest Common Subsequence
Longest Palindromic Subsequence
Minimum number of deletions and insertions

Best Time to Buy and Sell Stock II
Burst Balloons

BINARY TREE & BINARY SEARCH TREE

Binary Tree Preorder Traversal

Binary Tree Inorder Traversal
Binary Tree Level Order Traversal

Vertical Order Traversal of a Binary Tree
Top View of Binary Tree

Binary Tree Right Side View

Left View of Binary Tree
Bottom View of Binary Tree
Burning Tree
Kth Smallest Element in a BST
Largest BST in a Binary Tree

Binary Tree Maximum Path Sum

Serialize and Deserialize Binary Tree

Lowest Common Ancestor of a Binary Search Tree

Two Sum IV - Input is a BST
Replace every element with the least greater element on its right

GRAPH

DFS of Graph

BFS of graph

Number of Triangles

Rotting Oranges

Course Schedule

Course Schedule II

Word Ladder

Word Ladder II

Alien Dictionary

Cheapest Flights Within K Stops

Find the City With the Smallest Number of Neighbors at a Threshold Distance

Accounts Merge

BIT MANIPULATION

Count set bits in an integer
Power of Two

Single Number

Find position of the only set bit
Count number of bits to be flipped to convert A to B
Find XOR of numbers from L to R.
Calculate square of a number without using *, / and pow()
Divide two integers without using multiplication, division and mod operator

Subsets
Count Primes

BINARY SEARCH

Binary Search
Search Insert Position
Sqrt(x) USING BS

Search in Rotated Sorted Array
Find First and Last Position of Element in Sorted Array
Find Minimum in Rotated Sorted Array

Find Peak Element
Search a 2D Matrix

Find a Peak Element II

Capacity To Ship Packages Within D Days

Painter's Partition Problem

Minimize Max Distance to Gas Station

Allocate Books
Aggressive Cows