

# DSA Mind Maps (All Categories)

## ARRAY MIND MAP

- Loop Problems: Missing Number, Max/Min, Buy Sell Stock
- Pair Problems: Two Sum, Pair Sum
- Window-like: Permutation Check
- Matrix: Rotate Matrix, Diagonal Sum

## LIST MIND MAP

- Transform: Shuffle, Kids With Candies
- Construct: Create Target Array
- Cleanup: Move Zeroes, Disappeared numbers

## HASHMAP MIND MAP

- Frequency: Ransom Note, Uncommon Words
- Pattern: Alien Dictionary, Word Pattern
- Grouping: Group Anagrams

## TUPLE MIND MAP

- Products, 4Sum II, Boomerangs

## STRING MIND MAP

- Palindrome, Prefix, Validation, String Search

## MATH MIND MAP

- Reverse Integer, Roman conversions, Ugly numbers, Power ops

## RECURSION MIND MAP

- Factorial, Fibonacci, Subsets, Parentheses, Hanoi

## SLIDING WINDOW MIND MAP

- Fixed: Max vowels, Avg subarray
- Dynamic: Longest no-repeat, Min window substring

## LINKED LIST MIND MAP

- Reverse, merge, cycle, delete nth
- Doubly: LRU Cache

## STACK MIND MAP

- Valid parentheses, Min stack, Decode string

## QUEUE MIND MAP

- Circular queue, Recent calls, Window max

## SEARCHING MIND MAP

- Binary search variants, Peak, Rotated array

## SORTING MIND MAP

- Quick/Merge, Colors, Intervals, Pancake

## TREES MIND MAP

- Traversals, Depth, Balanced, Invert

## GRAPHS MIND MAP

- Islands, Clone graph, Course schedule, Rotting oranges

## DP MIND MAP

- Climbing stairs, House robber, Coin change, Max subarray