**Algorithms**

# Sorting:

01: Bubble Sort

02: Selection

03: Insertion

04: Merge

05: Quick

06: Counting Sort

07: Radix Sort

# Stack And Queues:

01: Stack

02: Queues

# Searching:

01: Linear

02: Binary

# Recursion:

01: Factorial

02: Fibonacci

03: Memorization

04: Tail Recursion

# Graphs:

01: Breadth-First Search (BFS)

02: Depth-First Search (DFS)

03 Flood Fill

# Dynamic Programming:

01: Knapsack Problem

02: Longest Common Subsequence

# Linked list:

01: Single

02: Double

# Hash Table:

01: With collision

02 Without collision

# Tree Traversal:

01: BFS

02: DFS

03: Binary Search

# Two Pointers:

01: Simple two pointer

# Backtracking:

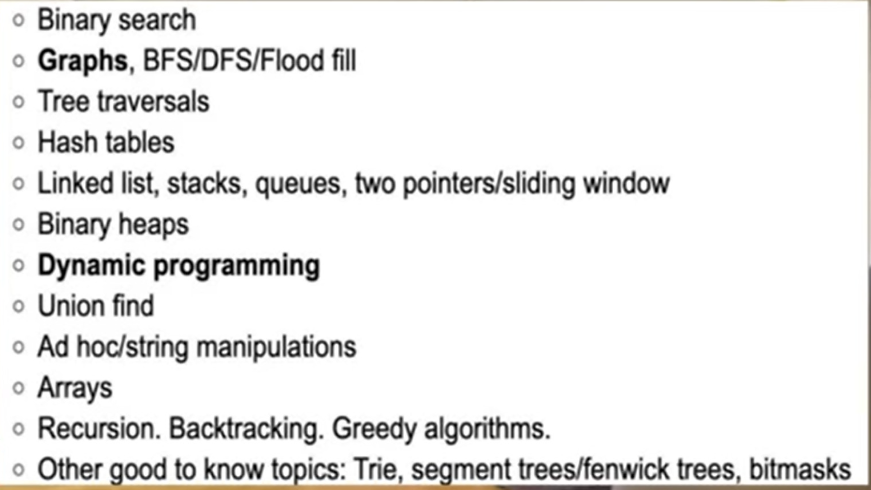
01: General purpose

02: Simple Example

# Time Complexity:

// --- Important Resources

All the Algorithms which we should know before apply to Google



All Algorithms are present there with Animation:

~ <https://www.w3schools.com/dsa/index.php>

GPT Chat link:

~ <https://chatgpt.com/share/01b0c8ed-2a3d-448b-8e38-7f91c28cc1aa>