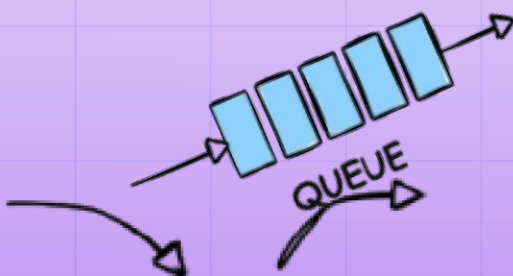


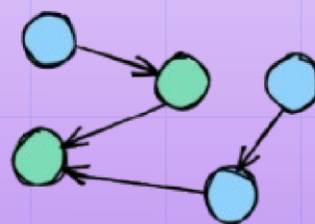


Sachin Sir's
Techno Comp Academy

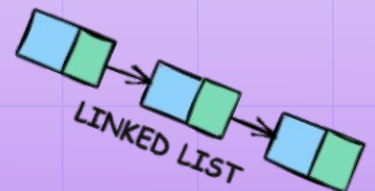
DATA STRUCTURES USING JAVA



STACK



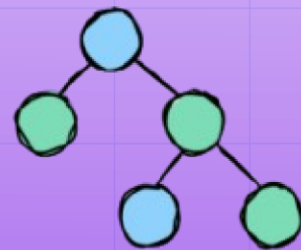
GRAPH



LINKED LIST



SORTING



TREE



INTRODUCTION TO DSA

- What is Data Structure
- Types of Data Structure
- Time Complexity
- Space Complexity

ONE DIMENSIONAL ARRAY

TWO DIMENSIONAL ARRAY[MATRIX]

- What is Data Structure
- Types of Data Structure
- Time Complexity
- Space Complexity

PATTERN PRINTING PROGRAMS

SORTING

- Bubble Sort
- Insertion Sort
- Selection Sort
- Two-way Merging/Three-way merging
- Merge Sort
- Quick Sort
- What is Max Heap?
- What is Min Heap?
- What is Heap Sort?
 - Convert the given array into Max Heap?
 - Convert the given array into Min Heap?
 - Adding an element to Max Heap or Min Heap?



SEARCHING

- Linear Searching
- Sorted Linear Searching
- Binary Searching

LINKED LIST

- Singly Linked List
- Doubly Linked List

STACK

- What is Stack?
- Basic Stack properties
- Stack Implementation using Array
- Stack Implementation using Linked List



QUEUE

- What is Queue?
- Basic Properties of Queue
- Queue Implementation using Array
- Queue Implementation using Linked List

TREE

- Basic Concepts of Tree
- Tree Traversals Techniques
- Operations on Tree

GRAPHS

- Basic Concept and How to Construct the Graph in Java?
- Breadth First Search (BFS)
- Depth First Search (DFS)

DYNAMIC PROGRAMMING

- Fundamental OF DP
- Fibonacci Series Problem

PROBLEM SOLVING ON

- LeetCode
- HackerRank

DURATION : 3 MONTHS





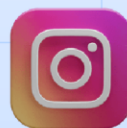
THANK YOU !!!



Contact us for more details



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