

DSA Cheat Sheet

Arrays

- Fixed size
- Access $O(1)$
- Search $O(n)$

Linked List

- Dynamic size
- Singly, Doubly
- Insertion $O(1)$

Stack

- LIFO
- push, pop, peek

Queue

- FIFO
- Circular, Priority

Trees & Graphs

Trees

- Binary Tree, BST
- Traversals

Graphs

- BFS, DFS
- Adjacency List

Algorithms

Sorting

- Bubble $O(n^2)$
- Merge $O(n \log n)$

Searching

- Linear
- Binary

Time Complexity

- Big-O Notation