# ■ Data Structures & Algorithms (DSA) Handbook with Diagrams

### Stack

Stack is a LIFO structure. Example operations: push, pop.

10 (Bottom)

20

Top → 30

### Queue

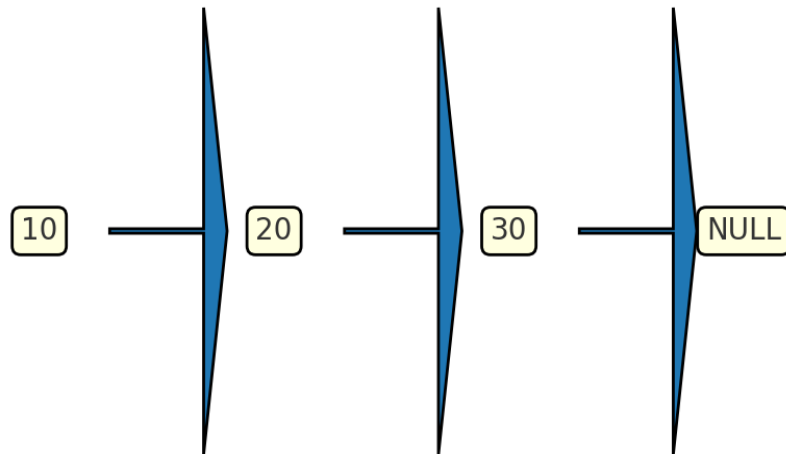Queue is a FIFO structure. Example operations: enqueue, dequeue.

Front → 10          20          30 ← Rear

### Linked List

Nodes linked with pointers. Example of singly linked list.

## Binary Tree

Hierarchical structure with parent-child relationships.