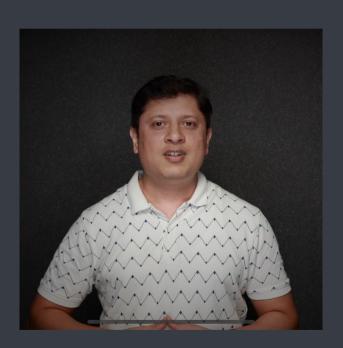
#### DSA through C++

#### Queue



Saurabh Shukla (MySirG)

# Agenda

- (i) what is ducue ?
- (2) Operations on Queue
- 3) Ways to implement Queue

### What is Queue?

- 3 Avrencis a linear dota structure,
- · Working principle of queue is First in



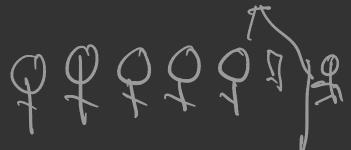
. In queue one end is for insertion and another end is for deletion



- Theorium is done on one end known as year or back
- · Deletion is done on another end known or

Front

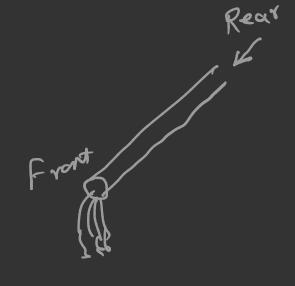
#### Real world examples





Butch 100 students

Exam for college or job
Romking System = queue



### Operations on Queue

Rear

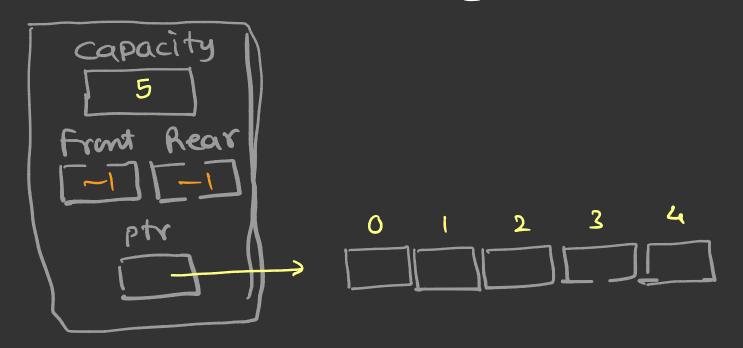
#### Operations

- 1 Insertion enqueue
  - 1) Deletier dequeur
- 3 get Front
  - 1 get Back

## Ways to implement Queue

- 1) Using Arrays
- 2) using Dynamic Arrays
  - 3) wring Linked List

### Implementing Queue using Arrays



3 Deletion