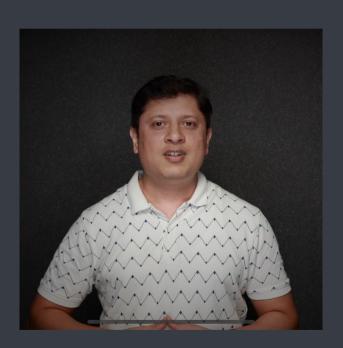
DSA through C++

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

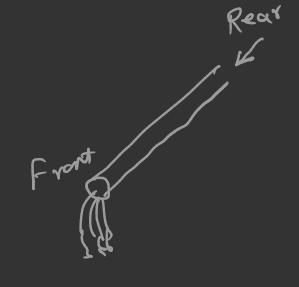
Real world examples





Butch 100 students

Exam for college or job
Romking System = queue



Operations on Queue

Rear

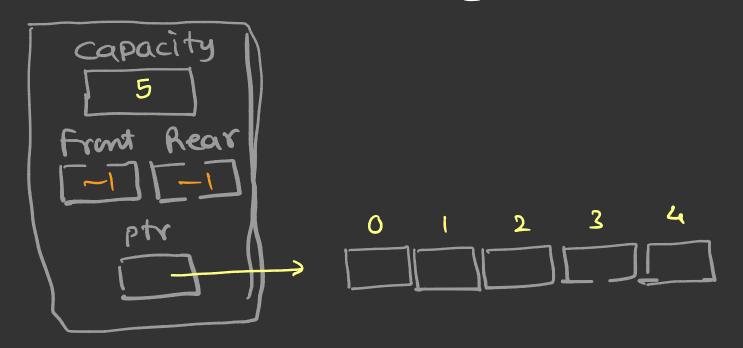
Operations

- 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