DATA STRUCTURE AND ALGORITHM

PROFESSIONAL PRACTICE

Name	AREEBA FAROOQ
Registration Number	200901058
Batch & Section	BSCS 01 (SECTION A)
Instructor's Name	Sir Nadeem

DATE:25-10-2021

· <u>QUEUE</u>
·

Enqueue: Adds an item to the queue. If the queue is full, then it is said to be an Overflow condition

· **Dequeue:** Removes an item from the queue. The items are popped in the same order in which they are pushed. If the queue is empty, then it is said to be an Underflow condition

· **Front:** Get the front item from queue

· **Rear:** Get the last item from queue

· **Empty:** When queue is empty

· **Len:** Use to find length of queue

TIME COMPLEXITY
Enqueue O(1)
Dequeue O(1)
Front   O(1)
Rear   O(1)

IMPLEMENTATION
List
Collections.deque
Queue.queue