Queue

* First in First Out (FIFO)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| D1 | D2 | D3 | D4 | D5 |

0 1 2 3 4

Front Rear

**Operations:-**

**Enqueue (Insertion)**

**Dequeue (Deletion)**

**Front (Checking without deletion)**

**isFull**

**isEmpty**

Enqueue

**->Enqueue is done from the Rear.**

Dequeue

**->Dequeue is done from the Front.**

1. **Linear Queue(Array Implemenation)**

**Enqueue (Insertion at the front)**

**Queue is Full=> if rear= size-1.**

**Queue is Empty=> if front=rear=-1 or front>rear**