**Dequeue**

**Q:** Deque or Double Ended Queue is a generalized version of Queue data structure that

allows insert and delete at both ends. The following operations are supported:

insertFirst(): Inserts the element in the begining of the queue

insertLast(): Inserts the element at the end of the queue

deleteFirst(): deletes an element from the start of the queue

deleteELast(): deletes an element from the end of the queue

**HINT:** Use double linked list.

**Example:**

* Insert 3 at starting.
* Insert 2 at starting.
* Insert 4 at end.
* Insert 1 at starting.
* Insert 5 at end.
* So the list will look like: 1->2->3->4->5
* Delete 5 from last.
* Delete 1 from start
* So the list will look like: 2->3->4