**c) Queues**

{

* Queue< import java.util.LinkedList;

import java.util.Queue; public class QueueExample

{

public static void main(String[] args)

Integer> q = new LinkedList<>();

* + Adds elements {0, 1, 2, 3, 4} to queue

for (int i=0; i<5; i++)

q.add(i);

* Display contents of the queue. System.out.println("Elements of queue-"+q);
  + To remove the head of queue.

int removedele = q.remove(); System.out.println("removed element-" + removedele); System.out.println(q);

* To view the head of queue int head = q.peek();
* Rest all methods of collection interface,
* Like size and contains can be used with this
* implementation.

int size = q.size();

System.out.println("Size of queue-" + size);

}

}

Output:

Elements of queue-[0, 1, 2, 3, 4]

removed element-0

[1, 2, 3, 4]

head of queue-1

Size of queue-4