**Java – LinkedList peek(), peekFirst() and peekLast() methods**

[**JAVA.UTIL PACKAGE**](http://beginnersbook.com/category/java-util-package/)

**Description**

public E peek(): Retrieves, but does not remove, the head (first element) of this list.

public E peekFirst(): Retrieves, but does not remove, the first element of this list, or returns null if this list is empty.

public E peekLast(): Retrieves, but does not remove, the last element of this list, or returns null if this list is empty.

**Example**

import java.util.LinkedList;

class LinkedListPeekDemo{

public static void main(String[] args) {

// Create a LinkedList of Strings

LinkedList<String> list = new LinkedList<String>();

// Add few Elements

list.add("Element1");

list.add("Element2");

list.add("Element3");

list.add("Element4");

// Display LinkList elements

System.out.println("LinkedList before: "+list);

//peek()

System.out.println(list.peek());

//peekFirst()

System.out.println(list.peekFirst());

//peekLast()

System.out.println(list.peekLast());

// Should be same as peek methods does not remove

System.out.println("LinkedList after: "+list);

}

}

**Output:**

LinkedList before: [Element1, Element2, Element3, Element4]

Element1

Element1

Element4

LinkedList after: [Element1, Element2, Element3, Element4]