**Vector ListIterator example in Java**

[**JAVA COLLECTIONS**](http://beginnersbook.com/category/java-collections/)

We can traverse a [**Vector**](http://beginnersbook.com/2013/12/vector-in-java/) in forward and Backward direction using[**ListIterator**](http://beginnersbook.com/2014/06/listiterator-in-java-with-examples/). Along with this we can perform several other operation using methods of ListIterator API like displaying the indexes of next and previous elements, replacing the element value, remove elements during iteration etc.

**Example**

Here we have a Vector of Strings and we are iterating it in both the directions using ListIterator.

import java.util.Vector;

import java.util.ListIterator;

public class VectorListIteratorDemo {

public static void main(String[] args) {

// Create a Vector

Vector<String> vector = new Vector<String>();

//Adding elements to the Vector

vector.add("Item1");

vector.add("Item2");

vector.add("Item3");

vector.add("Item4");

vector.add("Item5");

ListIterator litr = vector.listIterator();

System.out.println("Traversing in Forward Direction:");

while(litr.hasNext())

{

System.out.println(litr.next());

}

System.out.println("\nTraversing in Backward Direction:");

while(litr.hasPrevious())

{

System.out.println(litr.previous());

}

}

}

**Output:**

Traversing in Forward Direction:

Item1

Item2

Item3

Item4

Item5

Traversing in Backward Direction:

Item5

Item4

Item3

Item2

Item1