**How to loop LinkedList in Java**

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

In the last tutorial we discussed LinkedList and it’s methods with example. Here we will see how to loop/iterate a LinkedList. There are four ways in which a LinkedList can be iterated –

1. For loop
2. Advanced For loop
3. Iterator
4. While Loop

**Example:**

In this example we have a LinkedList of String Type and we are looping through it using all the four mentioned methods.

package beginnersbook.com;

import java.util.\*;

public class LinkedListExample {

public static void main(String args[]) {

/\*LinkedList declaration\*/

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

linkedlist.add("Apple");

linkedlist.add("Orange");

linkedlist.add("Mango");

/\*for loop\*/

System.out.println("\*\*For loop\*\*");

for(int num=0; num<linkedlist.size(); num++)

{

System.out.println(linkedlist.get(num));

}

/\*Advanced for loop\*/

System.out.println("\*\*Advanced For loop\*\*");

for(String str: linkedlist)

{

System.out.println(str);

}

/\*Using Iterator\*/

System.out.println("\*\*Iterator\*\*");

Iterator i = linkedlist.iterator();

while (i.hasNext()) {

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

}

/\* Using While Loop\*/

System.out.println("\*\*While Loop\*\*");

int num = 0;

while (linkedlist.size() > num) {

System.out.println(linkedlist.get(num));

num++;

}

}

}

Output:

\*\*For loop\*\*

Apple

Orange

Mango

\*\*Advanced For loop\*\*

Apple

Orange

Mango

\*\*Iterator\*\*

Apple

Orange

Mango

\*\*While Loop\*\*

Apple

Orange

Mango