**Java – Get sub List from LinkedList example**

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

**Example**

In this example, we are getting a sublist of LinkedList using subList(int startIndex, int endIndex) method of LinkedList class. It returns a List between the specified index startIndex(inclusive) and endIndex(exclusive). Any changes made to the sublist will be reflected in the original list (We have tested this in the below program by removing an element from sublist and displaying original list after remove).

import java.util.LinkedList;

import java.util.Iterator;

import java.util.List;

public class SublistExample {

public static void main(String[] args) {

// Create a LinkedList

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

// Add elements to LinkedList

linkedlist.add("Item1");

linkedlist.add("Item2");

linkedlist.add("Item3");

linkedlist.add("Item4");

linkedlist.add("Item5");

linkedlist.add("Item6");

linkedlist.add("Item7");

// Displaying LinkedList elements

System.out.println("LinkedList elements:");

Iterator it= linkedlist.iterator();

while(it.hasNext()){

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

}

// Obtaining Sublist from the LinkedList

List sublist = linkedlist.subList(2,5);

// Displaying SubList elements

System.out.println("\nSub List elements:");

Iterator subit= sublist.iterator();

while(subit.hasNext()){

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

}

/\* Any changes made to Sub List will be reflected

\* in the original List. Lets take this example - We

\* are removing element "Item4" from sublist and it

\* should be removed from original list too. Observe

\* the Output of this part of the program.

\*/

sublist.remove("Item4");

System.out.println("\nLinkedList elements After remove:");

Iterator it2= linkedlist.iterator();

while(it2.hasNext()){

System.out.println(it2.next());

}

}

}

Output:

LinkedList elements:

Item1

Item2

Item3

Item4

Item5

Item6

Item7

Sub List elements:

Item3

Item4

Item5

LinkedList elements After remove:

Item1

Item2

Item3

Item5

Item6

Item7