

# JAVA.UTIL.LINKEDLIST.ADDALL METHOD

[http://www.tutorialspoint.com/java/util/linkedList\\_addall\\_collection.htm](http://www.tutorialspoint.com/java/util/linkedList_addall_collection.htm)

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## Description

The **java.util.LinkedList.addAll(int index, Collection < ? extends E > c)** method inserts all of the elements in the specified collection into this list, starting at the specified position.

## Declaration

Following is the declaration for **java.util.LinkedList.addAll** method

```
public boolean addAll(int index, Collection<? extends E> c)
```

## Parameters

- **index** -- index at which to insert the first element from the specified collection
- **c** -- collection containing elements to be added to this list

## Return Value

This method returns true if this list changed as a result of the call

## Exception

- **NullPointerException** -- if the specified collection is null
- **IndexOutOfBoundsException** -- if the index is out of range

## Example

The following example shows the usage of java.util.LinkedList.addAll method.

```
package com.tutorialspoint;

import java.util.*;

public class LinkedListDemo {

    public static void main(String[] args) {

        // create a LinkedList
        LinkedList list = new LinkedList();

        // add some elements
        list.add("Hello");
        list.add(2);
        list.add("Chocolate");
        list.add("10");

        // print the list
        System.out.println("LinkedList:" + list);

        // create a new collection and add some elements
        Collection collection = new ArrayList();
        collection.add("One");
        collection.add("Two");
        collection.add("Three");

        // add the collection in the LinkedList at index 2
        list.addAll(2, collection);
```

```
// print the new list
System.out.println("LinkedList:" + list);
}
}
```

Let us compile and run the above program, this will produce the following result:

```
LinkedList:[Hello, 2, Chocolate, 10]
LinkedList:[Hello, 2, One, Two, Three, Chocolate, 10]
```

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