**Java ArrayList add(int index, E element) example**

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

Simple [**add() method**](http://beginnersbook.com/2013/12/java-arraylist-add-method-example/) is used for adding an element at the end of the list however there is another variant of add method which is used for adding an element to the specified index.

public void add(int index, Object element)

This method adds the element at the given index.

**Example**

package beginnersbook.com;

import java.util.ArrayList;

public class AddMethodExample {

public static void main(String[] args) {

// ArrayList of String type

ArrayList<String> al = new ArrayList<String>();

// simple add() methods for adding elements at the end

al.add("Hi");

al.add("hello");

al.add("String");

al.add("Test");

//adding element to the 4th position

//4th position = 3 index as index starts with 0

al.add(3,"Howdy");

System.out.println("Elements after adding string Howdy:"+ al);

//adding string to 1st position

al.add(0, "Bye");

//Print

System.out.println("Elements after adding string bye:"+ al);

}

}

Output:

Elements after adding string Howdy:[Hi, hello, String, Howdy, Test]

Elements after adding string bye:[Bye, Hi, hello, String, Howdy, Test]