Java ArrayList addAll(int index, Collection c) Method example

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In the last tutorial we have shared the example of addAll(Collection c) method which is used for adding all the elements of Collection c at the end of list. Here we will see another variant add(int index, Collection c) which adds all the elements of c at the specified index of a list.

public boolean addAll(int index, Collection c)

Example

In this example we have two ArrayList of String type and we are adding the element of second arraylist at the 3rd position(index =2) of first arraylist.

```java
package beginnersbook.com;
import java.util.ArrayList;
public class ExampleOfaddAllMethod {
   public static void main(String[] args) {
       // ArrayList1
       ArrayList<String> al = new ArrayList<String>();
       al.add("Apple");
       al.add("Orange");
       al.add("Grapes");
       al.add("Mango");
       System.out.println("ArrayList1 before addAll:"+al);

       //ArrayList2
       ArrayList<String> al2 = new ArrayList<String>();
       al2.add("Fig");
       al2.add("Pear");
       al2.add("Banana");
       al2.add("Guava");
       System.out.println("ArrayList2 content:"+al2);

       //Adding ArrayList2 in ArrayList1 at 3rd position(index =2)
       al.addAll(2, al2);
       System.out.println("ArrayList1 after adding ArrayList2 at 3rd Pos:\n"+al);
   }
}
```

Output:

```
ArrayList1 before addAll:[Apple, Orange, Grapes, Mango]
ArrayList2 content:[Fig, Pear, Banana, Guava]
ArrayList1 after adding ArrayList2 at 3rd Pos:
[Apple, Orange, Fig, Pear, Banana, Guava, Grapes, Mango]
```