

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

BY CHAITANYA SINGH | FILED UNDER: [JAVA COLLECTIONS](#)

Simple [add\(\) method](#) 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]
```