

How to Insert Element in ArrayList at Specific Position?

Java Program to Insert Element in ArrayList at Specific Position

To insert an element in ArrayList at a specific position, use `ArrayList.add(index, element)` function where `index` (= i-1) specifies i^{th} position and the `element` is the one that is inserted. When the `element` is inserted, the elements from i^{th} position are shifted right side by a position.

InsertElement.java

```
import java.util.ArrayList;

public class InsertElement {

    public static void main(String[] args) {
        ArrayList<String> names = new ArrayList<String>();

        names.add("Java");
        names.add("Kotlin");
        names.add("Android");

        names.add(2, "Python");

        names.forEach(name -> {
            System.out.println(name);
        });
    }
}
```

Output

```
Java
Kotlin
Python
Android
```

Conclusion

In this [Java Tutorial](#), we learned how to insert an element in ArrayList at specific index in Java.

Java ArrayList

- ◆ [Java ArrayList](#)
- ◆ [Java ArrayList - add\(\)](#)
- ◆ [Java ArrayList - addAll\(\)](#)
- ◆ [Java ArrayList - clear\(\)](#)
- ◆ [Java ArrayList - clone\(\)](#)
- ◆ [Java ArrayList - contains\(\)](#)
- ◆ [Java ArrayList - ensureCapacity\(\)](#)
- ◆ [Java ArrayList - forEach\(\)](#)
- ◆ [Java ArrayList - get\(\)](#)
- ◆ [Java ArrayList - indexOf\(\)](#)
- ◆ [Java ArrayList - isEmpty\(\)](#)
- ◆ [Java ArrayList - iterator\(\)](#)
- ◆ [Java ArrayList - lastIndexOf\(\)](#)
- ◆ [Java ArrayList - listIterator\(\)](#)
- ◆ [Java ArrayList - remove\(\)](#)
- ◆ [Java ArrayList - removeAll\(\)](#)
- ◆ [Java ArrayList - removeIf\(\)](#)
- ◆ [Java ArrayList - removeRange\(\)](#)
- ◆ [Java ArrayList - retainAll\(\)](#)
- ◆ [Java ArrayList - set\(\)](#)
- ◆ [Java ArrayList - size\(\)](#)
- ◆ [Java ArrayList - spliterator\(\)](#)
- ◆ [Java ArrayList - subList\(\)](#)
- ◆ [Java ArrayList - toArray\(\)](#)
- ◆ [Java ArrayList - trimToSize\(\)](#)

Java Tutorial

- ◆ [Java Tutorial](#)
- ◆ [Java Introduction](#)
- ◆ [Java Installation](#)
- ◆ [IDEs for Java Development](#)

▼ [Index for Java Development](#)

◆ [Java Datatypes](#)

◆ [Java Operators](#)

◆ [Java Decision Making](#)

◆ [Java Loops](#)

◆ [Java Exception Handling](#)

◆ [Java File Operations](#)

◆ [Java OOPs](#)

◆ [Java Array](#)

◆ [Java String](#)

◆ [Java Date & Time](#)

◆ [Java MySQL](#)

◆ [Java Random](#)

◆ [Java Math](#)

◆ [Java ArrayList](#)