

Online Java Compiler - Program

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Main.java

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Output

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```
1 import java.util.ArrayList;
2
3 public class Main {
4     public static void main(String[] args) {
5         ArrayList<String> animals = new ArrayList<>();
6
7         animals.add("lion");
8         animals.add("tiger");
9         animals.add("cat");
10        animals.add("dog");
11
12        animals.add(2, "elephant");
13
14        for (String animal : animals) {
15            System.out.println(animal);
16        }
17    }
18 }
19
```

```
java -cp /tmp/a47hspLmYV/Main
lion
tiger
elephant
cat
dog

=== Code Execution Successful ===
```

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Main.java

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```
4- import java.util.ArrayList;
5- public class ArrayListDemo {
6-     public static void main(String[] args) {
7-         ArrayList<Integer> numbers = new ArrayList<>();
8-         numbers.add(2);
9-         numbers.add(4);
10-        numbers.add(5);
11-        numbers.add(6);
12-        numbers.add(8);
13-        numbers.add(9);
14-        System.out.println("Size of ArrayList: " + numbers.size());
15-        System.out.println("Element at index 2: " + numbers.get(2));
16-        numbers.set(2, 10);
17-        System.out.println("Updated ArrayList: " + numbers);
18-    }
```

Output

Clear

```
java -cp /tmp/qUxtWCQ2Ph/ArrayListDemo
Size of ArrayList: 6
Element at index 2: 5
Updated ArrayList: [2, 4, 10, 6, 8, 9]

=== Code Execution Successful ===
```

Main.java

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


```
1 import java.util.ArrayList;
2 public class Main {
3     public static void main(String[] args) {
4         ArrayList<String> programmingLanguages = new ArrayList<>();
5         programmingLanguages.add("C");
6         programmingLanguages.add("C++");
7         programmingLanguages.add("Java");
8         programmingLanguages.add("Python");
9         programmingLanguages.add("Ruby");
10        programmingLanguages.add("JavaScript");
11        System.out.println("Original ArrayList: " + programmingLanguages);
12        programmingLanguages.remove("Ruby");
13        System.out.println("ArrayList after removing 'Ruby': " +
14            programmingLanguages);
15        ArrayList<String> languagesToRemove = new ArrayList<>();
16        languagesToRemove.add("C");
17        languagesToRemove.add("Java");
18        programmingLanguages.removeAll(languagesToRemove);
19        System.out.println("ArrayList after removing 'C' and 'Java': " +
20            programmingLanguages);
21        programmingLanguages.remove(1);
22        System.out.println("ArrayList after removing element at index 1: " +
23            programmingLanguages);
24    }
25 }
```

Output

Clear

```
java -cp /tmp/J6htEsu5y6/Main
Original ArrayList: [C, C++, Java, Python, Ruby, JavaScript]
ArrayList after removing 'Ruby': [C, C++, Java, Python, JavaScript]
ArrayList after removing 'C' and 'Java': [C++, Python, JavaScript]
ArrayList after removing element at index 1: [C++, JavaScript]

=== Code Execution Successful ===
```

Main.java	   Share	Run	Output	Clear
<pre>2 import java.util.Iterator; 3 import java.util.List; 4 import java.util.ListIterator; 5 public class ArrayListIteration { 6 public static void main(String[] args) { 7 List<String> names = new ArrayList<>(); 8 names.add("raja"); 9 names.add("ravi"); 10 names.add("ramu"); 11 names.add("vimal"); 12 names.add("roja"); 13 System.out.println("Using for-each loop:"); 14 for (String name : names) { 15 System.out.println(name); 16 } 17 System.out.println("\nUsing Iterator:"); 18 Iterator<String> iterator = names.iterator(); 19 while (iterator.hasNext()) { 20 System.out.println(iterator.next()); 21 } 22 System.out.println("\nUsing ListIterator:"); 23 ListIterator<String> listIterator = names.listIterator(); 24 while (listIterator.hasNext()) { 25 System.out.println(listIterator.next()); 26 } 27 } 28 }</pre>		<pre>java -cp /tmp/cKLbYR467Y/ArrayListIteration Using for-each loop: raja ravi ramu vimal roja Using Iterator: raja ravi ramu vimal roja Using ListIterator: raja ravi ramu vimal roja === Code Execution Successful ===</pre>		