

Main.java



Run

Output

Clear

```
1- import java.util.ArrayList;
2- public class ArrayListExample {
3-     public static void main(String[] args) {
4-         ArrayList<Integer> numbers = new ArrayList<>();
5-         numbers.add(2);
6-         numbers.add(4);
7-         numbers.add(5);
8-         numbers.add(6);
9-         numbers.add(8);
10-        numbers.add(9);
11-        System.out.println("Size of ArrayList: " + numbers.size());
12-        System.out.println("Element at index 0: " + numbers.get(0));
13-        System.out.println("Element at index 3: " + numbers.get(3));
14-        numbers.set(2, 10);
15-        System.out.println("Updated element at index 2: " + numbers.get(2));
16-        System.out.println("Updated ArrayList: " + numbers);
17-    }
18- }
19
```

java -cp /tmp/qjPttjelr2/ArrayListExample

Size of ArrayList: 6
Element at index 0: 2
Element at index 3: 6
Updated element at index 2: 10
Updated ArrayList: [2, 4, 10, 6, 8, 9]

=== Code Execution Successful ===

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
Output





Clear

```
1- import java.util.ArrayList;
2- public class ArrayListExample {
3-     public static void main(String[] args) {
4         ArrayList<String> lang=new ArrayList<>();
5         lang.add("C");
6         lang.add("C++");
7         lang.add("Java");
8         lang.add("JavaScript");
9         lang.add("Python");
10        System.out.println("Original ArrayList:"+lang);
11        lang.remove(2);
12        System.out.println("After removing element at index 2:"+lang);
13        ArrayList<String> toRemove = new ArrayList<>();
14        toRemove.add("C");
15        toRemove.add("Python");
16        lang.removeAll(toRemove);
17        System.out.println("After removing all elements in toRemove:"+lang);
18        lang.clear();
19        System.out.println("After clearing the ArrayList:"+lang);
20    }
21 }
22
```

```
java -cp /tmp/QHFRVuZSN1/ArrayListExample
Original ArrayList:[C, C++, Java, JavaScript, Python]
After removing element at index 2:[C, C++, JavaScript, Python]
After removing all elements in toRemove:[C++, JavaScript]
After clearing the ArrayList:[]
```

=== Code Execution Successful ===

Main.java	   Share	Run	Output	
<pre>1- import java.util.ArrayList; 2- import java.util.Iterator; 3- import java.util.ListIterator; 4- public class name{ 5- public static void main(String[] args) { 6- ArrayList <String> name = new ArrayList<>(); 7- name.add("Ravi"); 8- name.add("Ramu"); 9- name.add("Vimal"); 10- name.add("Roja"); 11- for (String i:name) { 12- System.out.print(i+" "); 13- }System.out.println(); 14- Iterator <String> iterator = name.iterator(); 15- while (iterator.hasNext()){ 16- String Name = iterator.next(); 17- System.out.print(Name+" "); 18- } 19- System.out.println(); 20- ListIterator <String> listIterator = name.listIterator(); 21- while (listIterator.hasNext()){ 22- String Name = listIterator.next(); 23- System.out.print(Name+" "); 24- } 25- System.out.println(); 26- }</pre>		<pre>java -cp /tmp/x2DB6zXAvZ/name Ravi Ramu Vimal Roja Ravi Ramu Vimal Roja Ravi Ramu Vimal Roja === Code Execution Successful ===</pre>		

Main.java	   Share	Run	Output	 Clear
<pre>1- import java.util.ArrayList; 2- public class ArrayListExample { 3- public static void main(String[] args) { 4- ArrayList<String> animals = new ArrayList<>(); 5- animals.add("Lion"); 6- animals.add("Tiger"); 7- animals.add("Cat"); 8- animals.add("Dog"); 9- System.out.println("Original ArrayList: " + animals); 10- animals.add(2, "Elephant"); 11- System.out.println("ArrayList after adding 'Elephant' at index 2: " + animals); 12- System.out.println("Iterating through the ArrayList:"); 13- for (String animal : animals) { 14- System.out.println(animal); 15- } 16- } 17- }</pre>		<pre>java -cp /tmp/MbMP1kEoEz/ArrayListExample Original ArrayList: [Lion, Tiger, Cat, Dog] ArrayList after adding 'Elephant' at index 2: [Lion, Tiger, Elephant, Cat, Dog] Iterating through the ArrayList: Lion Tiger Elephant Cat Dog === Code Execution Successful ===</pre>		