

This tutorial will help you understand how to swap two elements in an [ArrayList](#). We are using [Collections.swap\(\)](#) method for swapping.

```
public static void swap(List list, int i1, int i2)
```

This method swaps the element of index `i1` with the element of index `i2`. It throws `IndexOutOfBoundsException` – if either `i1` or `i2` is less than zero or greater than the size of the list (`i1 < 0 || i1 >= list.size() || i2 < 0 || i2 >= list.size()`).

## Example of swapping two elements in ArrayList

In this example we have a `ArrayList<String>` and we are swapping 2nd (index =1) and 5th (index=4) element of `ArrayList` using `Collections.swap()` method.

```
package beginnersbook.com;
import java.util.ArrayList;
import java.util.Collections;

public class SwappingExample {

    public static void main(String a[]){
        ArrayList<String> al = new ArrayList<String>();
        al.add("Sachin");
        al.add("Rahul");
        al.add("Saurav");
        al.add("Sunil");
        al.add("Kapil");
        al.add("Vinod");

        System.out.println("ArrayList before Swap:");
        for(String temp: al){
            System.out.println(temp);
        }

        //Swapping 2nd(index 1) element with the 5th(index 4) element
        Collections.swap(al, 1, 4);

        System.out.println("ArrayList after swap:");
        for(String temp: al){
            System.out.println(temp);
        }
    }
}
```

Output:

```
ArrayList before Swap:
Sachin
Rahul
Saurav
Sunil
Kapil
```

```
Vinod  
ArrayList after swap:  
Sachin  
Kapil  
Saurav  
Sunil  
Rahul  
Vinod
```