

How to sort ArrayList in Java

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In this tutorial we have shared the examples of sorting an String [ArrayList](#) and Integer ArrayList.

Also Read:

1. [Sort ArrayList in descending order](#)
2. [Sort ArrayList of Objects using Comparable and Comparator](#)

Example 1: Sorting of ArrayList<String>

Here we are sorting the ArrayList of String type. We are doing it by simply calling the Collections.sort(arraylist) method. The output List will be sorted **alphabetically**.

```
import java.util.*;
public class Details {

    public static void main(String args[]){
        ArrayList<String> listofcountries = new ArrayList<String>();
        listofcountries.add("India");
        listofcountries.add("US");
        listofcountries.add("China");
        listofcountries.add("Denmark");

        /*Unsorted List*/
        System.out.println("Before Sorting:");
        for(String counter: listofcountries){
            System.out.println(counter);
        }

        /* Sort statement*/
        Collections.sort(listofcountries);

        /* Sorted List*/
        System.out.println("After Sorting:");
        for(String counter: listofcountries){
            System.out.println(counter);
        }
    }
}
```

Output:

```
Before Sorting:
India
US
China
Denmark
After Sorting:
```

China
Denmark
India
US

Example 2: Sorting of ArrayList<Integer>

The same `Collections.sort()` method can be used for sorting the Integer ArrayList as well.

```
import java.util.*;
public class ArrayListOfInteger {

    public static void main(String args[]){
        ArrayList<Integer> arraylist = new ArrayList<Integer>();
        arraylist.add(11);
        arraylist.add(2);
        arraylist.add(7);
        arraylist.add(3);
        /* ArrayList before the sorting*/
        System.out.println("Before Sorting:");
        for(int counter: arraylist){
            System.out.println(counter);
        }

        /* Sorting of arraylist using Collections.sort*/
        Collections.sort(arraylist);

        /* ArrayList after sorting*/
        System.out.println("After Sorting:");
        for(int counter: arraylist){
            System.out.println(counter);
        }
    }
}
```

Output:

```
Before Sorting:
11
2
7
3
After Sorting:
2
3
7
11
```