

JAVA.UTIL.ARRAYLIST.TOARRAY METHOD

http://www.tutorialspoint.com/java/util/arraylist_toarray_object.htm

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Description

The **java.util.ArrayList.toArray** method returns an array containing all of the elements in this list in proper sequence *from first to last element*. This acts as bridge between array-based and collection-based APIs.

Declaration

Following is the declaration for **java.util.ArrayList.toArray** method

```
public Object[] toArray()
```

Parameters

- NA

Return Value

This method returns an array containing all of the elements in this list in proper sequence.

Exception

- NA

Example

The following example shows the usage of java.util.ArrayList.toArray method.

```
package com.tutorialspoint;

import java.util.ArrayList;

public class ArrayListDemo {
    public static void main(String[] args) {

        // create an empty array list with an initial capacity
        ArrayList<Integer> arrlist = new ArrayList<Integer>(5);

        // use add() method to add values in the list
        arrlist.add(20);
        arrlist.add(40);
        arrlist.add(10);
        arrlist.add(15);
        arrlist.add(25);

        // let us print all the elements available in list
        for (Integer number : arrlist) {
            System.out.println("Number = " + number);
        }

        Object[] ob = arrlist.toArray();

        System.out.println("Printing elements from first to last:");
        for (Object value : ob) {
            System.out.println("Number = " + value);
        }
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Number = 20  
Number = 40  
Number = 10  
Number = 15  
Number = 25  
Printing elements from first to last:  
Number = 20  
Number = 40  
Number = 10  
Number = 15  
Number = 25
```

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