

JAVA.UTIL.LINKEDLIST.TOARRAY METHOD

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

Copyright © tutorialspoint.com

Description

The **java.util.LinkedList.toArray(T[] a)** method returns an array containing all of the elements in this list in proper sequence *from first to last element*; the runtime type of the returned array is that of the specified array. If the list fits in the specified array, it is returned therein. Otherwise, a new array is allocated with the runtime type of the specified array and the size of this list.

Declaration

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

```
public <T> T[] toArray(T[] a)
```

Parameters

- **a** -- the array into which the elements of the list are to be stored, if it is big enough; otherwise, a new array of the same runtime type is allocated for this purpose.

Return Value

This method returns an array containing the elements of the list

Exception

- **ArrayStoreException** -- if the runtime type of the specified array is not a supertype of the runtime type of every element in this list
- **NullPointerException** -- if the specified array is null

Example

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

```
package com.tutorialspoint;

import java.util.*;

public class LinkedListDemo {

    public static void main(String[] args) {

        // create a LinkedList
        LinkedList list = new LinkedList();

        // add some elements
        list.add("Hello");
        list.add(2);
        list.add("Chocolate");
        list.add("10");

        // print the list
        System.out.println("LinkedList:" + list);

        // create an array and copy the list to it
        Object[] array = list.toArray(new Object[4]);

        // print the array
        for (int i = 0; i < list.size(); i++) {
            System.out.println("Array:" + array[i]);
        }
    }
}
```

```
}
```

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

```
LinkedList:[Hello, 2, Chocolate, 10]  
Array:Hello  
Array:2  
Array:Chocolate  
Array:10
```

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js