LogicBig

Tutorials   Core Java Tutorials   Java 11 Features

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Java 11 - Collection Changes

[Last Updated: Sep 28, 2018]

A new default method `toArray(IntFunction)` has been added to the `java.util.Collection` interface:

```
default <T> T[] toArray(IntFunction<T[]> generator)
```

It returns a new array consisting of the elements of this collection. The provided generator function is used to allocate the returned array.

The new method is an overloaded of the existing `toArray(....)` methods.
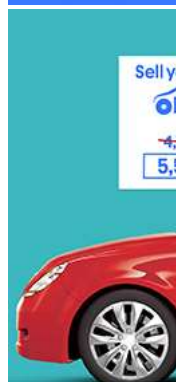
Example

```java
package com.logicbig.example;

import java.util.Arrays;
import java.util.List;

public class CollectionToArrayExample {
  public static void main(String[] args) {
      List<String> list = List.of("apple", "banana", "orange");
      //old methods
      String[] array = list.toArray(new String[list.size()]);
      System.out.println(Arrays.toString(array));
      Object[] objects = list.toArray();
      System.out.println(Arrays.toString(objects));
      //new method
      String[] array2 = list.toArray(String[]::new);
      System.out.println(Arrays.toString(array2));
  }
}
```

```
[apple, banana, orange]
[apple, banana, orange]
[apple, banana, orange]
```

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Example Project

Dependencies and Technologies Used:

- JDK 9.0.1

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java.util.Collection changes

```
collection-changes
  src
    com
      logicbig
        example
          CollectionToArrayExample.java
```

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import java.util.Arrays;
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        String[] array2 = list.toArray(String[]::new);
        System.out.println(Arrays.toString(array2));
    }
}
```

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Project Structure

```
collection-changes
  src
    com
```

logicbig
example
CollectionToArrayExample.java

```java
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