



## Low Level Design made easy

# 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.

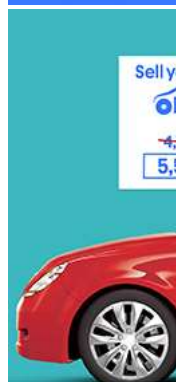
## Example

```
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



java.util.Collection changes

collection-changes  
src  
com  
logicbig  
example  
CollectionToArrayExample.java

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### Project Structure

```
collection-changes
src
com
```

logicbig  
example  
**CollectionToArrayExample.java**

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