Solution Review: Array of Integers

In the following lesson, we will go over the solution of the challenge: Array of Integers

Task

In this challenge, you were provided a range of numbers. Using the range of numbers, you had to create and populate an array. The final array could only consist of even multiples of **3**.

Solution

Let's go over the solution step-by-step.

The first thing you had to do was create an array, let's call it `array1`, using the `range` method to which you had to pass `minRange` and `maxRange`.

```
val array1 = Array.range(minRange, maxRange)
```

Next, you had to create a new array, let's call it `array2`, by multiplying the elements of `array1` with **3**. This could be done using the `map` method.

```
val array2 = array1.map(_ * 3)
```

Finally, the last step required you to create yet another array, `finalArray`, by filtering out the even numbers from `array2`. This could be done using the `filter` method.

```
val finalArray = array2.filter(_ % 2 == 0)
```

You can find the complete solution below:

You were required to write the code from **line 3** till **line 5**.

This code requires the following environment variables to execute:

LANG   C.UTF-8

```scala
val minRange = 1
val maxRange = 5
val array1 = Array.range(minRange, maxRange)
val array2 = array1.map(_ * 3)
val finalArray = array2.filter(_ % 2 == 0)

// Driver Code
finalArray.foreach(println)
```

In the next lesson, we will learn about the List collection.