Solution Review: Searching a String

In the following lesson, we will go over the solution of the challenge: Searching a String.

Task

In this challenge, you were provided a string in which you had to find the first occurrence of a three-letter word. The only constraint was that the word must only contain lower-case letters.

Solution

The first thing you had to write was a regular expression which represented three-letter words only consisting of lower-case letters and store it in a variable. Something like this:

```
val expressionToFind = "[a-z]{3}".r
```

- `[a-z]` specifies that the regular expression should only contain lower-case letters
- `{3}` specifies that the regular expression should have a length of **3**.

You then had to call the `findFirstIn` method on the regular expression and pass it the string you wanted to search. Recall that `findFirstIn` only finds the first occurrence of the specified regular expression.

```
val match1 = expressionToFind.findFirstIn(stringToFindExpression)
```

You can find the complete solution below:

You were required to write the code on **line 2** and **line 3**.

This code requires the following environment variables to execute:

LANG   C.UTF-8

```scala
val stringToFindExpression = "The car is red."
val expressionToFind = "[a-z]{3}".r
val match1 = expressionToFind.findFirstIn(stringToFindExpression)

// Driver Code
match1.foreach(println)
```

Let's wrap up this chapter with a quiz to test what you have learned so far.