ACTIVITY 3
Autogenerated Review

In this activity you will write and test a method that will autogenerate a review based on the review used in Activity 2. The method will autogenerate a review by replacing adjectives in the given review with randomly selected adjectives from a list.

1. Using Notepad or another simple text editor, compile the adjective lists into two separate text files:

> **positiveAdjectives.txt** should contain all the identified positive adjectives.

> **negativeAdjectives.txt** should contain all the identified negative adjectives.

2. Open your existing `SimpleReview.txt` file and annotate each adjective by adding a "*" at the beginning of the word. For example, the `SimpleReview.txt` from Activity 2 would be:

```
This was a *terrible restaurant! The pizza crust was too *chewy,
and I disliked the pasta. I would definitely not come back.
```

3. Describe the action of the `indexOf` and `substring` methods. Explain how these methods can be used to divide an existing string into two parts. Why is it necessary to add 1 to the position of the space when copying the remainder of the string?

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4. Write the method `fakeReview`. The method signature is given below.

```
public static String fakeReview(String fileName)
```

The parameter `fileName` should be the name of the annotated review created at the start of class (with "*" at the beginning of the adjectives). The `fakeReview` method should loop over the string containing the contents of the marked-up review to build and return a fake review.

Example:

A test file containing:

```
The *quick *brown fox jumps over the *lazy dog.
```

may produce as its output:

```
The speedy smoky fox jumps over the fast dog.
```

> ### *Tip*
>
> Multiple method calls can be joined into a single expression, and the return values from those method calls will be a combination of all the methods executed in order to create a single value.
>
> The values returned from method calls can be stored in local variables and used as actual parameters in other method calls or combined with other local variables to form new expressions.

Check Your Understanding

5. In the `Review` class all methods are static. Explain the difference between calling static methods as opposed to calling non-static methods.

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6. Autogenerated reviews may be created that are intentionally positive or negative. Explain how your method `fakeReview` could be modified to create a fake positive or fake negative review.

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