Activity 3 - Auto Generated Review

In this activity you will write and test a method that will auto generate a review based

on the review used in Activity 2. The method will auto generate 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.

1. 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.*

1. 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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1. 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

1. 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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1. Auto Generated 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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