



Lab #7 - Static & JavaDocs



Instructions

In this lab you will required demonstrate an understanding of the "**static**" keyword in Java as well as the ability to create standard Java code documentation. Complete each of the following tasks:

- Create a utility class called **StringUtils**
 - Add each of the following static methods to the class
 - `spaceString()`
 - Takes a string argument, inserts a blank space between each letter (ex. "Hello" becomes "H e l l o") then returns the new string
 - `switchCase()`
 - Takes a string argument, transforms every odd character to uppercase (ex. "hello" becomes "HeLlO") then returns the new string
 - `reverse()`
 - Takes a string argument, returns a new string which is the exact reverse of the argument string (ex. "hello" becomes "olleh")
 - Add a static field to the class that keeps track of the following:
 - Whenever one of the static methods are called, the # of characters in the string argument passed into the method is accumulated in this static field
 - Add a getter method to retrieve this value
- Write JavaDoc comments for your **StringUtils** class, fields, and methods
 - Use the built-in JavaDoc creation tool to generate JavaDocs for your program
- In a Main class with a main method do the following:
 - Instantiate a few strings, then call each of your static methods in **StringUtils**

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