Strings

This assignment will help you further understand the String class and get used to using the Java Class documentation

Reading

Read Chapters 4 & 5

Programming (20 points)

WORK IN THIS GIT REPOSITORY

1. In class we discussed the following String methods

```
s.length()
s.equals(otherString)
s.substring(startIndex, endIndex)
s.trim()
s.indexOf(subString)
s.lastIndexOf(subString)
s.charAt(index)
```

Go to the String javadoc Java API https://docs.oracle.com/javase/8/docs/api/ AND pick TWO other String methods that you like.

2. Write a class called StringFun that

1. In a static main method, take as a command line argument three strings: s, otherString, and subString. Note: if you want spaces in your String you have to use quotes around the argument, for example, “This string has spaces in it.”

2. Performs all 7 of the methods listed in #1 above on PLUS the two additional ones that you pick

3. Prints out the results of each method.

4. Make sure to add javadoc for the StringFun class Explain in the Class comment what two methods you picked and in your own words what each method does.

5. Create a doc sub-directory and then generate the javadoc with the command (run from your main working directory)

```
javadoc -d doc -version -author *a
```

3. To Submit

Take a screenshot of the first page of the String javadoc and save it as StringFun.pdf.
Take a screenshot of your console when you run the program and save it as StringFunOutput.pdf
Add StringFun.pdf, StringFunOutput.pdf, and StringFun.java to git and then Commit and push to Github.

Grading Criteria
Out of 20 total points:
* 8 pts for successfully running and displaying output of 7 methods listed in #1
* 4 pts for running two additional String methods and displaying output
* 4 pts JavaDoc generated
* 4 pts for explaining (in your own words) what additional String methods do

IMPORTANT: After you have pushed to github, please submit on Canvas a statement that you have made your commit (This is how we'll know it's done!) INCLUDE YOUR github user name in that statement.

Academic Honesty
Please do all your work individually unless otherwise specified. Do not look at anybody else's code or solutions. You may discuss high level concepts and seek help from the TA or professor. Any outside sources used for help must be noted.

After you have pushed to github, please submit here on Canvas a statement that you have made your commit (This is how we'll know it's done!) INCLUDE YOUR github user name in that statement.