

HOMEWORK 2 - Hello, World!

***Before starting, please read through the style guide for our class:**

<https://sites.google.com/a/google.com/introduction-to-programming/style-guide>

Write a python script that does the following:

Part I - Using string functions, show how to create the following strings from

`'sUpERcaLaFragaliSticeXPialaDoshuS':`

- `supercalafragalisticexpialadoshus`
- `SUPERCALAFRAGALISTICEXPIALADOSHUS`
- `sooopaaarcaLaFragaliSticeXPialaDoshuS`
- `caLaFragaliStic`

Part II - Print the 1st 5 iterations of the “bottles of beer” song:

```
99 bottles of beer on the wall, 99 bottles of beer...
take 1 out, pass it around, 98 bottles of beer on the wall.
98 bottles of beer on the wall, 98 bottles of beer...
take 1 out, pass it around, 97 bottles of beer on the wall.
97 bottles of beer on the wall, 97 bottles of beer...
take 1 out, pass it around, 96 bottles of beer on the wall.
96 bottles of beer on the wall, 96 bottles of beer...
take 1 out, pass it around, 95 bottles of beer on the wall.
95 bottles of beer on the wall, 95 bottles of beer...
take 1 out, pass it around, 94 bottles of beer on the wall.
```

Do this in as few lines of code as possible. Do NOT print it out literally, but use variables to represent strings and integers and concatenate them together.

Hint: Use string functions (substrings, replace, etc.) along with casts (`str()`, `int()`).

Part III - Add some code that prompts the user for an integer and returns the remainder if that integer is divided by 3.

It should work like so:

```
Enter an Integer: 8
```

```
If you divide 8 by 3, the remainder is 2!
```

Please complete all 3 parts of the assignment in a file named hw2.py (inside your home

directory > python > week2) and email when complete so that I can check your home directory for the file. Be sure that the script follows all the [style conventions](#).