Homework #3

Due: 10/17/2020, 9:00 pm

Instructions (**please, read the instructions carefully**)

Create a new Python script file and name it *yourlastname_homework3.py*, where *yourlastname* is your last name. Save your file in your homework folder on your computer (a folder that you can easily find). I should be able to run your complete code without errors. When finished, upload your file on Google Classroom using Homework 3 assignment link.

Questions/tasks

1) Create two integer variables x and y (pick any values that you like).

2) Calculate and print

   x + y

   x * y

   x / y

   x // y

   x % y

   x ** y

3) Are all of the above integer values? Verify with Python.

4) Compare x and y using all possible comparison operators (that we covered in class). Print the results of your comparisons (True or False).

5) Using comparison and logical operators, find if both x and y are greater than 10.

6) Using comparison and logical operators, find if at least one of the two variables, x or y, is greater than 10.

7) Find if vowel "a" is present in your full name (first and last).

8) Can you write a line of code that calculates how many unique vowels are present in your full name. Hint: what is True + True?

9) Explore f-strings in Python using page 11 from the classwork slides.

10) Create three string variables describing your favorite game, book, and movie. Using these three variables and f-strings print a short description of your favorite things.