Zelle 3e Chapter 1 Coding Assignment

General Instructions
My expectations for your work on coding assignment exercises will grow as we progress through the course. In addition to applying any new programming techniques that have been covered in the current chapter, I will be expecting you to follow all of the good programming practices that we have adopted in the preceding weeks. Here is a quick summary of good practices that we have covered so far:

- Include a single-line comment with name of program file.
- Include a single-line comment that describes the intent of the program.
- Place your highest-level code in a function named main.
- Include a final line of code in the program that executes the main function.
- Follow all PEP-8 Python coding style guidelines enforced by the PyCharm Editor. For example, place two blank lines between the code making up a function and the code surrounding that function.
- Choose names for your variables that are properly descriptive.
- Model your solution after the code that I demonstrate in the tutorial videos.
- Remember to test your program thoroughly before submitting your work.

Exercise 1
Create a new python program file named solong.py. This program should print a single line: "So long for now!". When coding, follow the good programming practices demonstrated in the text and in the tutorial videos that accompany this assignment:

- Include a single-line comment with name of program file.
- Include a single-line comment that describes the intent of the program.
- Place the code that does the printing in a function named main.
- Include a final line of code in the program that executes the main function.
- Follow all PEP-8 Python coding style guidelines enforced by the PyCharm Editor. For example, place two blank lines between the code making up a function and the code surrounding that function.

Model your solution after the code that I demonstrated in the tutorial video.

Remember to test your program.

Exercise 2
Copy the python file presented in Chapter 1 named chaos.py, creating a new file named math101.py. Modify the code in math101.py so that it prints a much simpler sequence of numbers: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20. Model your solution after the code that I demonstrated in the tutorial video.

Remember to test your program.

Tools
Use PyCharm to create and test all Python programs.

Submission Method
Follow the process that I demonstrated in the tutorial video on submitting your work. This involves:
- Locating the properly named directory associated with your project in the file system.
- Compressing that directory into a single .ZIP file using a utility program.
- Submitting the properly named zip file to the submission activity for this assignment.

File and Directory Naming
Please name your Python program files as instructed in each exercise. Please use the following naming scheme for naming your PyCharm project:

```
surname_givenname_exercises_zelle_3e_chapter_01
```

If this were my own project, I would name my PyCharm project as follows:

```
trainor_kevin_exercises_zelle_3e_chapter_01
```

Use a zip utility to create one zip file that contain the PyCharm project directory. The zip file should be named according to the following scheme:

```
surname_givenname_exercises_zelle_3e_chapter_01.zip
```

If this were my own project, I would name the zip file as follows:

```
trainor_kevin_exercises_zelle_3e_chapter_01.zip
```

Due By
Please submit this assignment by the date and time shown in the Weekly Schedule.

Last Revised
2021-01-18