Assignment A0 - Hello Python!

We'll start the course with a simple programming assignment to assess basic programming, and ensure we all have a Python environment up and running so we are ready to start the first lab together. You don't need to complete any of the lab sheets before completing this assignment.

Installing Python

This course will require you to complete programming assignments in Python (we'll use Python 3 for all work). You'll need a working Python environment, and we strongly encourage you to use your own laptop. Below are some suggestions.

On your own Laptop

The easiest way to get started is to download and install Anaconda https://www.anaconda.com/distribution/ it comes with many of the libraries we'll be using, and includes the Spyder IDE, which we will be using throughout the course.

Recommended Reading: Chapter 1 of *Learning Scientific Programming with Python*

Questions

Task 1

Ensure you can run the following Python code:

```
print("Hello World!")
```

You should see the output in the terminal. Don't submit this application.

Task 2

Write a small Python application which does the following:

1) Read the syllabus for this course (link here). Instantiate a list of at least five things you expect to learn during the course (as strings). Try some code like this:

```
important_stuff = ["media culture and media industries",
                   "social and cultural landscapes",
                   "analysis of contemporary media culture",
                   “mediated expression”,
                   “professional and organisational identity”]
```
[1]

2) For each item in your list, print out something like "I will learn something about (stuff)!" where (stuff) is the item from the list. So, with the list of things above the output should be:

1 Obviously something went wrong when I downloaded the course syllabus. I hope you do better.

```
I will learn something about media culture and media industries!
I will learn something about social and cultural landscapes!
I will learn something about analysis of contemporary media culture!
I will learn something about mediated expression!
I will learn something about professional and organisational identity!
```

Hints:

- Since Python 3.6, you can use F-strings, see: https://realpython.com/python-string-formatting/
- See also 2.3.7 of *Learning Scientific Programming with Python*
- Example of the for loop: https://docs.python.org/3/tutorial/controlflow.html#for-statements
- Another example of the for loop 2.4.3.4 of *Learning Scientific Programming with Python*

That's it! Submit this code (see below).

Submission

Submit a .py file via studium. Do not submit a screenshot, a .ipynb file, a text file, or anything else. Do not email us your work.

Grading

This assignment is pass/fail. It is mandatory to pass this assignment to complete the course. It must be possible to run the code. To pass, you need to submit some code which demonstrates the task(s) outlined above.

If you are unable to complete the assignment, you should instead submit a partially complete attempt, which you can then complete as a supplementation.

Failure to submit any work at all by the initial deadline will result in failure of the course (in the absence of extenuating circumstances).

If, due to extenuating circumstances, you are unable to complete the assignment by the due date, you need to contact us **before** the due date.