Lab 1

1. 📝 **Worth:** ~1%
2. 📅 **Due:** see LEA
3. 🕑 **Late submissions:** *by beginning of next class*
4. 📤 **Submission:**
    - Submit a single zipped folder containing all the `.py` files and the newly created output files (`about-me.txt` , `definitions.txt`)

Objectives

- Learn how to verify assignment submissions on LEA
- Learn how to use LEA to get assignment code
- Run and edit python code provided to you

Getting Started

Verify Lab 0

In my class, you are always allowed to re-submit assignments – I will grade the last submission you make and ignore all previous ones.

It is important to double check that your submissions are correct, and make any necessary changes, then resubmit.

We will practise doing this by checking what you submitted for Lab 0:

- Navigate to Lab 0 on LEA
- Download the most recent file you submitted (a `.zip` file).
- Extract it anywhere on your lab computer (the location doesn't matter)
- Ensure your submission contains the following contents **exactly**:

```
lab-1/
├── about-me.txt
├── definitions.txt
```

If Lab 0 were worth marks, you would lose them for any of the following mistakes:

- file/folder names spelled incorrectly (e.g. `Lab 1` , `About Me.txt`)
- Missing files
- Extra files

Check your Lab 0 submission for any mistakes! Let me know if you have questions. Note: It is not necessary to resubmit Lab 0, it is not worth marks.

Keep that in mind for future labs – it is important to be precise when submitting work.

Ensure OneDrive set up correctly

- Log in to OneDrive on your lab computer
- Ensure you have a folder on your OneDrive called `SN1`
  - If you don't, create it.
- Ensure you have a folder in `SN1` called `lab-1`
  - If you don't, create it.

Create a PyCharm Project for Lab 1

- In PyCharm, create a new project in your `SN1\lab-1` folder on your desktop
  - use the `lab-1` folder you already created
  - Make sure you select "Use existing sources" when asked.

Instructions

Part 0: Get the starter code

For lab 1, I am providing you code that I have written in advance. To use it:

- Navigate to LEA, see "Distributed Documents"
- Download "lab-1-starter-code.zip"
- Extract its contents. There should be two `.py` files
- Place these files into your `SN1\lab-1` folder.

Part 1: Jargon Definitions

In this part of the lab, you're going to *use* an existing program (`definitions.py`) to fill in the `definitions.txt` file from Lab 0.

Each of you has been assigned 3 jargon words to define:

- Link to jargon words that have been assigned to you, find your student number 3 times in this file and record the corresponding word
- Link to the course outline, find your words in the course outline

Once you have your 3 words, then:

- Open `definitions.py` in PyCharm
- Run the program – you do not have to edit it.
- For each of the 3 words you are assigned in the list of jargon words (see link above):
  - Find the jargon word in the Course Outline (see link above) to make sure you understand the context of that word
  - Copy and paste ONE definition that BEST fits the word you have been assigned in `definitions.txt`

> NOTE: there is no "perfect" answer, but do your best to pick ONE definition that matches the meaning of the word BEST.

When finished, your `definitions.txt` should look something like this (assuming you were assigned the words *jargon*, *bargain*, and *harbinger*):

```
jargon
DEFINITION #1: (Noun)  A technical terminology unique to a particular subject.

bargain
DEFINITION #2: (Noun) An agreement or stipulation; mutual pledge.

harbinger
DEFINITION #1: (Noun) A person or thing that foreshadows or foretells the comin
```

Part 2: About You

In this part of the lab, you're going to *edit* an existing program (`about-me.py`) to fill in the `about-me.txt` file from Lab 0.

- Open `about-me.py` in PyCharm
- Correct the code by assigning text or numbers to all of the variables, as appropriate
- Run the program (it will create/overwrite a file called `about-me.txt`)

When finished, your `about-me.txt` should look something like this:

```
12345678,FirstName,LastName,Pronouns

here's an example question!
Note that it can span multiple lines.
```

Submitting your work

- Zip all source code (the two `.py` files) and all output files (the two `.txt` files)
- Submit your zip file to LEA

Here is what your zip file should contain:

```
lab-1/
├── about-me.txt
├── definitions.txt
├── about-me.py
├── definitions.py
```