

Python Lab: Instructions

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In this assignment, you will interact with Python and become acquainted with sets, lists, tuples, and dictionaries, and with writing comprehensions over these containers.

To complete this assignment, please carefully follow the following instructions ([illustrated in a video](#)):

1. Download the detailed instructions for this assignment, [python_lab.pdf](#).
2. On your computer, create a folder (a.k.a. directory) called `matrix`. All your program and data files for this course will reside in this folder.
3. Download the submission script, [coursera_submit.py](#), used for all the assignments in this course, and move it into your `matrix` folder.
4. Download the stencil, [python_lab.py](#), for this assignment, and move it into your `matrix` folder.
5. You do not need to submit anything marked *ungraded*.
6. For each problem/task,
 1. Test out your solution in the Python REPL;
 2. Copy your solution into the stencil file `python_lab.py`;
 3. Submit your solution by opening a console window, navigating using `cd` to the `matrix` folder, and entering the command `python3 coursera_submit python_lab.py`. The script will ask for your username and password. They are located [on the assignments page](#).

You can use the submit command to submit solutions for as many tasks as you like at one time. Enter the numbers of the tasks (called parts), separated by commas. You can also enter a range of numbers such as `3-10`.

Students for whom comprehensions don't come easy might find this supplementary document useful: [From loop to comprehension in Python](#).

Have fun!

