Integer Factoring Lab: Instructions

When you're ready to submit your solution, go to the assignments list.

In this lab, we use linear algebra to help factor gigantic numbers. Be careful with this lab: prime numbers are a bit... odd.

Python handles integers of arbitrarily large size. However, if you enter a number with a decimal point in it, it is not an integer to Python. Be careful not to use decimal points in entering integers.

To complete this assignment, please carefully follow these instructions:

1. Download this ZIP file
2. Unzip the ZIP file, and copy all its files into your `matrix` folder.
3. Verify that all the files from the ZIP file (including `factor_lab.py` and `factor_lab.pdf` and `submit_factor_lab.py` and some others) are now directly in the `matrix` folder.
4. Detailed instructions are in the file `factor_lab.pdf`.
5. Some of the problems/tasks are *ungraded*. You don't submit solutions to these.
6. For each graded problem/task,
   - test out your solution in the Python REPL;
   - copy your solution into the stencil file `factor_lab.py`;
   - submit your solution by running (from a console, *not* from the Python REPL) the command `python3 submit_factor_lab.py` to submit. You will need a one-time password to submit this assignment. It's located on this page.

You can use the submit command to submit as many problems as you like at one time.

Have fun!