

# Computation, Problem Set #1, Python Intro

OSM Lab, Justin Gardiner

Due Tuesday, June 27 at 8:00am

Do the following Exercises from the Brigham Young University Applied Mathematics and Computational Emphasis (ACME) Python labs [Humpherys and Jarvis \(2017\)](#).

1. **Exercises from ACME: Intro to NumPy lab.** Do problems 1 through 7 from [Intro to NumPy](#) lab. You will need to download the [grid.npy](#) object, which is saved in the course repository.
2. **Exercises from ACME: Python Standard Library lab.** Do problems 1 through 4 from [Python Standard Library](#) lab. You will need to download the [box.py](#) module, which is saved in the course repository.
3. **Exercises from ACME: Python Unit Testing lab.** Do problems 1 through 5 from [Python Unit Testing](#) lab. You will need to download the [solutions.py](#) module and [test\\_solutions.py](#) script, which are saved in the course repository.
4. **Exercises from ACME: Object Oriented Programming lab.** Do problems 1 through 4 from [Object Oriented Programming](#) lab.
5. **Exercises from ACME: Exceptions and File/IO lab.** Do problems 1 through 4 from [Exceptions and File I/O](#) lab.

## References

Humpherys, Jeffrey and Tyler Jarvis, “Computational Labs for Foundations of Applied Mathematics, Volumes I and II,” 2017.