# **Continuing your Python studies**

**Practice problems, to stay sharp:**

* **Project Euler** - <https://projecteuler.net/> – a classic! But it’s extremely mathy! You can use any programming language to solve these problems, and once you’ve solved any given problem, you get access to a forum where people share solutions.
* **Code Abbey** - <http://www.codeabbey.com/index/task_list> - less mathy than Project Euler, but also less popular. I’m not actually sure all of these problems can be done in Python, but many/most can.
* **Code Kata** - <http://codekata.com/> - this one doesn’t have tracking of who has done what (no achievements, boo!), and it is more likely to appeal to the Computer Science-inclined Pythonistas than the Data Analytics-inclined Pythonistas. Also better with a study group.

**Online Courses (if you’re feeling shaky on Python, want to continue outside of CCAC, or need a refresher later on, before you go on to Python 2):**

* If you like games, this is a decent intro to Python course: <https://www.coursera.org/learn/interactive-python-1> (and there’s a part 2). Don’t pay them money; just listen to the lectures and do the assignments.
* If you aren’t as into games, Python For Everybody is a very well-regarded set of courses (take the free/audit version, don’t pay): <https://www.coursera.org/specializations/python>. It'll seem familiar if you've been doing the optional reading from the syllabus, because the open textbook for that course was our secondary textbook for this course.
* This is a third option, a little newer than Python For Everybody, but the author/teacher of that also consulted on this set of courses (audit): <https://www.coursera.org/specializations/python-3-programming> - this one also has an open textbook, which is really nice.
* It isn’t a full course, in my opinion, but if you just want to refresh your muscle memory for Python, doing *free* exercises on Code Academy won’t hurt: <https://www.codecademy.com/learn/learn-python-3> (Full disclosure: I did buy myself Code Academy Pro when it was 25% off, because I want to learn Java next summer, and I like doing Code Academy exercises sometimes for fun. So, while I don't think *you* need to give them money, sometimes I do.)

**Articles you’re going to want to read/work through at some point:**

* **Managing Environments** - <https://docs.anaconda.com/anaconda/navigator/tutorials/manage-environments/> - You’re eventually going to want to install different Python libraries for different projects. If one project wants one version of a library, and another project wants a different version, that makes for trouble, which we solve by putting them in different environments.
* **Falsehoods Programmers Believe About Names** - <https://www.kalzumeus.com/2010/06/17/falsehoods-programmers-believe-about-names/> - if you want to go out and get a software job, do my hyphenated-name self a favor and read this; if you’re doing data science, do *yourself* a favor a read this; there are actually a whole lot of these articles about falsehoods, but I find the full list a bit overwhelming: <https://github.com/kdeldycke/awesome-falsehood>