**Introduction**

In this lab, you will open a notebook environment to practice writing Python code. You’ll be presented with a security scenario to explore throughout the lab. You’ll become familiar with working in a notebook environment, writing code comments in Python, and displaying strings with the **print()** function.

**What you’ll do**

You have multiple tasks in this lab:

* Learn about the capabilities of a notebook environment
* Write code comments in Python
* Display strings with the **print()** function

**Lab instructions**

**Start the lab**

From this page, click **Open Lab**. The notebook that contains your lab will open in a new browser tab.

Complete all the tasks in this lab before moving on. The next course item will be an exemplar of a completed lab. You'll be able to compare the code and text responses in the exemplar to the ones that you enter in this lab.

**End the lab**

When you have completed all the tasks and answered all the questions in the lab, you can close the browser tab containing the lab. (The changes you have made to the lab will be saved, and if you click **Open Lab** again, you can access your previous work in the lab.)

Sometimes you need to refresh your Coursera page in order for your progress to be registered. If you refresh this page after you complete your lab, the green check mark should appear.

**Lab features**

As you complete the lab, note the following features:

* **Tasks:** Step-by-step instructions in each task lead you through the lab.
* **Questions:** Reflection questions offer moments to pause and think about concepts and your output as you move through the lab.
* **Hints:** Hidden hints provide optional suggestions you can use to complete your work.

**Best practices for completing labs:**

* Make sure your browser is up to date with the latest version.
* Make sure your internet connection is stable.
* After you complete the lab, leave the lab window open for at least 10 minutes in order to allow the system to record your progress.
* If you run into issues connecting to the lab, try logging into Coursera in an Incognito mode and completing the lab there.
* Review [Lab tips and troubleshooting steps](https://www.coursera.org/learn/automate-cybersecurity-tasks-with-python/supplement/DOwC1/lab-tips-and-troubleshooting-steps) for more information.