Activity: Import and parse a text file

Open Lab

Instructions

Introduction

In this lab, you will open a notebook environment to practice using functions and other syntax to import and parse text files in Python. You'll be presented with a security scenario to explore throughout the lab. You'll prepare a security log file for analysis and create a text file with IP addresses that are allowed to access restricted information.

What you'll do

You have multiple tasks in this lab:

- Import and store a text file as a string
- Convert the text file into a list using the string `.split()` method
- Append information to the text file
- Create another text file

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.