Using Python to Interact with the Operating System
Google

Managing Files with Python

51 min of videos left   **40 min** of readings left   **1** graded assessment left

In this module, you'll learn about reading and writing to files and the commands that will enable you to do this. We'll learn the importance of managing files and how we can navigate through different directories. We'll understand how to work with files and how there is a layer of abstraction between Python and the operating system. Finally, we'll dive into learning about CSV files and how to best utilize them.

Learning Objectives

- Read, write, and iterate through files
- Manage files by moving, deleting, and renaming files
- Create and navigate through directories
- Define what CSV files are and read from them
- Write and make edits to CSV files within directories

⌃ Hide Learning Objectives

Reading and Writing Files

Programming with Files
Video • 3 min

Discussion Prompt
Discussion Prompt • 10 min

Reading Files
Video • 5 min

Iterating through Files
Video • 4 min

Writing Files
Video • 3 min

Reading and Writing Files Cheat-Sheet
Reading • 10 min

Practice Notebook: Text Files
Lab • 1h

Managing Files and Directories

Working with Files
Video • 4 min

More File Information
Video • 4 min

Directories
Video • 5 min

Files and Directories Cheat-Sheet
Reading • 10 min

Practice Quiz: Managing Files & Directories
Practice Quiz • 5 questions

Reading and Writing CSV Files

What is a CSV file?
Video • 2 min

Reading CSV Files
Video • 3 min

Generating CSV
Video • 2 min

Reading and Writing CSV Files with Dictionaries
Video • 4 min

CSV Files Cheat Sheet
Reading • 10 min

Practice Quiz: Reading & Writing CSV Files
Practice Quiz • 5 questions

Module Review   1 graded assessment left

What is Qwiklabs?
Video • 3 min

How to Log in to Qwiklabs
Reading • 10 min

Qwiklabs Assessment: Handling Files
Due, May 7, 11:59 PM +08   Graded App Item • 1h 30m • Grade: --

Module 2 Wrap Up: Managing Files with Python
Video • 1 min

Where did you struggle?
Discussion Prompt • 10 min