

Python Lists, Dictionaries, and Loops

Duration: 2 Weeks

Learning Objectives

- Describe what a Python List, and a Python Dictionary, are.
- Program using Python Lists and Python dictionaries including declaring them, adding items, removing items, and finding items by index (lists), or key value (dictionaries).
- Use a Python for loop to do something to every item in a list or in a dictionary.
- Write Python functions with loops, lists, and dictionaries.

Course Material

- Read/Do: [Code Academy Unit 5: Lists and Dictionaries](#) all 14 lessons
- Do: [CodeAcademy Unit 5: A Day At The Supermarket](#)
- Read: [Wikibook Chapter on Python Lists and Dictionaries](#) (Stop at “Python Loops”)
- Read/Do: [Code Academy Unit 8: Loops](#) only lessons 9,12,13,14,15
- Read: [Wikibook Chapter on Python Loops](#) (Stop at “Python File I/O”)

Assessments

- Conceptual Quiz:
 - [Python Lists, Dictionaries, and Loops](#) (requires access)
- Practical Assignment:
 - [Data Processing With Python Lists](#) | [Grading Rubric](#) | [Answer Key](#) | [Teacher's Guide](#)