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Unit 1 / Lesson 1

Python Warmup

Estimated Time: **11-13 hours**

In this lesson, we'll get set up with the basic tools which you will use throughout the course. We are going to use the Cloud 9 cloud-based IDE as our development environment. Cloud9 comes with pretty much everything you will need pre-installed, and because it is hosted in the cloud you won't need anything other than a web browser to allow you to work on your code.

Next we'll get our feet wet with Python, working with strings, numbers, and variables, then moving on to look at handling collections of things: lists, tuples, sets, and dictionaries. After that we'll look at the different ways to control the order in which instructions get completed in a program. Along the way you will run through some simple exercises to practice your skills and get you thinking more like a coder.

At the end of the lesson you'll bring together everything you will have learned about strings, numbers, conditionals, and loops, to build a FizzBuzz program from scratch.

Goals

- Set up a Cloud9 workspace for developing Python applications

- Become familiarized with how the different parts of Cloud9 work

- Know how to work with Python's core data types

- Understand the concept of control flow

- Know how to use the following Python keywords: `if` , `else` , `elif` , `while` , `for` , `try` , `except` .

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