

# Unit 2: Python Language Overview

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Prerequisites: [Getting Started](#)

## Learning Objectives

In this unit, we will take a high-level guided tour of the Python programming language. We'll start by familiarizing ourselves with some introductory Python reference materials, then we'll illustrate and apply these concepts as we work through a guided Python exercise.

## Discussions and Notes

- Object-oriented Programming (OOP)
- Python Programming:
  - [Syntax and Style](#)
  - [Comments](#)
  - [Printing and Logging](#)
  - [Debugging](#)
  - [Variables](#)
  - [Functions](#)
  - [Control Flow](#)
  - [Datatypes](#):
    - [Null Values](#)
    - [Booleans](#)
    - [Strings](#)
    - [Numbers](#)
    - [Dates and Times](#)
    - [Lists and Sets](#)
    - [Dictionaries](#)
  - [Custom Classes](#) (intermediate / advanced topic)
  - [Custom Modules](#) (intermediate / advanced topic)

See also: [W3Schools Python Tutorial](#)

## Activities and Exercises

- ["Groceries" Exercise](#)
- ["List Comprehensions" Exercise](#)
- ["Custom Functions" Exercise](#)