

Intermediate Python

Unit 6: Classes

Overview

- Review of functions and data types
- How do we represent something like a dog or a student in code?
- Introduce classes
- Syntax
- Working with classes

Review of functions and data types

How do we represent something like a dog or a student in code?

Classes

Grouping related data and functions together

Reusable

Syntax

- `class` keyword
- `__init__` method
- `self` variable
- Attributes: instance variable and instance methods

Working with classes

Classes vs instances

A class is the blueprint, an instance is the object

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For example, a blueprint for a house vs. an actual house

Multiple objects of the same class

Each has its own data