## What are Modules

Pre-defined files containing Python code for functions, classes, variables, etc.

**Fruit = {**

**"name": "Apple",**

**"color": "Green"**

**}**

Save code to a module

**import Module1**

**x = Module1.Fruit["name"]**

**print(x)**

Organize code for efficiency and reduce redundancy.

Make use of **help("module")** in the interpreter shell to view available modules

Module Examples

* OS
* Time
* Math

## How to import modules

Import module file

import module\_name (import math)

Import content from module within a package

**from** math\_functions.arithmetic\_operations **import** add, multiply

**from** math\_functions.trigonometric\_operations **import** sin, cos

Package: math\_functions

Modules: arithmetic\_operations/trigonometric\_operations

Content to import: add/multiply/sin/cos



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