Modules, Packages and Classes

Part 0

All about modules

- __all__

- __name__

- __dict__

- modules and packages

- see examples - mypackage1, mypackage2, mod1.py, mod2.py, main.txt, test_mypackage1.txt

- impact of import statements

- system search path - sys.path, sys.modules

- package import vs module import

- module attributes / names

Module Search Path

- home directory

- PYTHONPATH directories (if set)

- standard python libraries

- .pth path file directories (if present)

Changing and finding search path

- import sys

- sys.path.append("<absolute path to the containing directory of target package>")

- see examples - test_mypackage_from_anywhere.py

Relative imports

- see examples - driver_to_test_relative_import.txt, module_to_test_relative_imports.py