

PYTHON

SECTION ELEVEN

Introduction to Python | Packages & Imports | Pragmatic Agility

MODULES

- Any Python file or code
- Allows you to organize code into a file structure
- Single files

PACKAGES

- Directory that contains .py files for importing
- Organization
- Multiple files

PIP

- Installs third party packages or modules
- pip3 is for Python 3
- pip is for Python 2

QUICK EXAMPLES

C:\> Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.18363.1316]
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C:\Windows\system32>pip3 install pony
Collecting pony
  Downloading pony-0.7.14.tar.gz (290 kB)
    |#####| 290 kB
Using legacy setup.py install for pony, since
Installing collected packages: pony
  Running setup.py install for pony ... done
Successfully installed pony-0.7.14
WARNING: You are using pip version 20.1.1; f
You should consider upgrading via the 'c:\py
C:\Windows\system32>
```

Using pip3 to install a third party packages. Third party packages can save months to years of programming.

```
1 # Import all the objects that the package contains
2 from pony.orm import *
3 # Import a specific object from a package
4 from pony import orm
5 # Import a specific object and name it something else
6 from pony import orm as pizza
```

There are a few things you can do with import statements. You can import everything, a specific object, or rename an import to avoid a name collision.