



Modules and packages



Module

- A file with a name and a `.py` extension.

`<name>.py`



import statement

- One module can be used in other file using import

```
import <module_name>
```

```
from <module> import <item>
```

- Using aliases

```
import <module_name> as <alias>
```



Package



pkg



mod1.py



mod2.py



What is PIP?

PIP is a package manager for Python packages, or modules if you like.

install pip

`pip install <library_name> # to install a package in python`



pipenv

Pipenv is Python package that helps in installing and managing packages.

It creates a `Pipfile` which has details of all the packages installed in the present virtual environment.

```
pip install pipenv    # install pipenv
```

```
pipenv shell # spin up the virtual environment
```

```
pipenv install package # install package to the virtual environment
```