

Concept:

Split your program into separate files:

Why?

- organization
- Collaboration
- code-re-use.

Python: "Module" :- the file whose code is being re-used
 "Script" :- the main file that is executed.

`import filename`

the code of the module(s) is executed first
 then the code of the script.

Using something from a module

`Module.name`

Import individual names:

`from module import name`

Executing Modules vs. Executing Scripts.

A file can check whether is being run as
 a module or as a script.

`if __name__ == "__main__":`

Why?

= put tests inside a module
 name == __main__ :- multiple entries inside

why:

- = put tests inside a module
- = program to have multiple entry points.
- = develop a script with the expectation that you will need to re-use the code.

Where are modules:

- All files in same folder.
- possible to config.

Python Standard Library.
very rich.

<https://docs.python.org/3/library/index.html>

• Command line Arguments:

```
import sys
```

```
sys.argv list contains the arguments
```

```
sys.argv[0] contains the name of the program.
```

— 0 — EOF