

Module Imports and Reloads

- ❖ Every file of Python source code whose name ends in a `.py` extension is a module
 - ❖ Other files can access the items a module defines by *importing* that module
 - ❖ *import* operations essentially load another file and grant access to that file's contents
- ```
>>> import script
```
- ❖ After the first import, later imports do nothing, even if you change and save the module's source file again in another window
- ```
>>> import script
>>> import script
```

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- ❖ If you really want to force Python to run the file again in the same session without stopping and restarting the session, you need to instead call the reload function available in the `imp` standard library module
- ```
>>> from imp import reload
>>> reload(script1)
```
- ❖ A module is mostly just a package of variable names, known as a *namespace*, and the names within that package are called *attributes*
- ```
>>> script1.x
```

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