

Modules

Last time

- ▶ Functions and parameters
- ▶ args, kwargs...



Modules

- ▶ Python has an extensive collection of modules
- ▶ Samples:
 - math
 - os
 - datetime
 - urllib
 - re – regular expressions
 - And more and more and more and more
- ▶ External libraries
 - <https://pypi.python.org/pypi>
 - More than 92,000 libraries...



Working with modules

- ▶ `>>> import math`
- ▶ `>>> math.sqrt(16)`

- ▶ Another option:
- ▶ `>>> from math import sqrt`
- ▶ `>>> sqrt(16)`

- ▶ `os.path.exists(path)`
- ▶ `os.path.isfile(path)`
- ▶ `os.path.isdir(path)`

- ▶ `os.rename(source, destination)`
- ▶ `os.remove(file_path)`
- ▶ `os.rmdir(dir_path)`

```
C:\>python hello.py arg1 arg2
```

- ▶ >>> sys.argv
- ▶ ['hello.py', 'arg1', 'arg2']

- ▶ >>> sys.argv[1]
- ▶ 'arg1'

- ▶ sys.exit()
- ▶ sys.platform

Exercises

- ▶ Learn and use modules
- ▶ Make sure you don't implement on your own things that have already been implemented