



# Import module



$$\text{math.sqrt}(16) \# \Rightarrow 4$$

#Important symbols from around the world

from import from import

$$ceil(3.7) \# \Rightarrow 4.0$$

$$\text{floor}(3.7) \# \equiv 3.0$$



#BindModuleSymbolstoNewSymbolInTheGlobalNamespace

from import as short\_name

#Any python file (including those you write) is a module

from import





# Using Modules

# Import a module

```
import math
```

```
math.sqrt(16) # => 4
```

We almost always import the whole module, rather than specific symbols

# Import specific symbols from a module into the local namespace

```
from math import ceil, floor
```

```
ceil(3.7) # => 4.0
```

```
floor(3.7) # => 3.0
```

# Bind module symbols to a new symbol in the local namespace

```
from some_module import super_long_symbol_name as short_name
```

# Any python file (including those you write) is a module

```
from my_file import my_function, my_variable
```

# Virtual Environments Primer

Local, isolated Python environment for interpreter, third-party libraries, and scripts