print()
Multiple Assignment

Assigning more than one variable at a time is possible

```
a, b, c = 'foo', 'bar', 'baz'
```

Swapping variable values

```
x, y = y, x
```
Built-In Functions

A function is a reusable chunk of code

We’ve already been using functions
  • `print()`
  • `int()`
  • `type()`

Function name and arguments

Parentheses mean “execute this function”

Some functions take no input
Modules

A collection of related functions

To use a module, it must be imported:
```
import module
```

Then you can use any of the functions in that module:
```
module.function()
```

You can also import all a module’s functions at once:
```
from module import *
```

This allows you to call the function without appending the module
**Math Module**

Contains many useful mathematical functions

- Square root
- Pi
- Exponentiation
- Degree conversion
- Tangents
Getting Help

Python has lots of documentation built in

Functions and modules usually come with brief explanations

To list functions in a module:
\[ \text{dir(module)} \]

To see all of Python’s built-in functions:
\[ \text{dir(__builtins__)} \]

To get help with a specific function:
\[ \text{help(function)} \]

Python’s general help utility:
\[ \text{help()} \]