Learn Python

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

<http://www.tutorialspoint.com/python3/python_functions.htm>

<https://docs.python.org/3/howto/unicode.html>

* [The Python Standard Library](https://docs.python.org/3/library/index.html#library-index):

You should browse through this manual, which gives complete (though terse) reference material about types, functions, and the modules in the standard library. The standard Python distribution includes a lot of additional code. There are modules to read Unix mailboxes, retrieve documents via HTTP, generate random numbers, parse command-line options, write CGI programs, compress data, and many other tasks. Skimming through the Library Reference will give you an idea of what’s available.

* [Installing Python Modules](https://docs.python.org/3/installing/index.html#installing-index) explains how to install additional modules written by other Python users.
* [The Python Language Reference](https://docs.python.org/3/reference/index.html#reference-index): A detailed explanation of Python’s syntax and semantics. It’s heavy reading, but is useful as a complete guide to the language itself.
* <https://pypi.python.org/pypi>: The Python Package Index, previously also nicknamed the Cheese Shop, is an index of user-created Python modules that are available for download. Once you begin releasing code, you can register it here so that others can find it.
* <https://code.activestate.com/recipes/langs/python/>: The Python Cookbook is a sizable collection of code examples, larger modules, and useful scripts. Particularly notable contributions are collected in a book also titled Python Cookbook (O’Reilly & Associates, ISBN 0-596-00797-3.)
* [http://www.pyvideo.org](http://www.pyvideo.org/) collects links to Python-related videos from conferences and user-group meetings.
* [https://scipy.org](https://scipy.org/): The Scientific Python project includes modules for fast array computations and manipulations plus a host of packages for such things as linear algebra, Fourier transforms, non-linear solvers, random number distributions, statistical analysis and the like.

Other Resources:

<http://www.tutorialspoint.com/questions_and_answers.htm>

Notes:

On Mac

1. Download and install Python 3.5
2. Shell command: python

Runs python 2.7 that came with XOS

1. Shell command: python3

Runs Python 3.5

1. To run a script test.py (\*.py)

Command: python test.py

or Python3 test.py