# Why Python

# How to learn it

web-based tutorial like codeacademy. Actually offered by IronPython.

http://ironpython.net/try/

JyPython book

http://www.jython.org/jythonbook/en/1.0/

# Options to install Python

Taken from https://www.python.org/download/alternatives/

Alternative Python Implementations

This site hosts the "traditional" implementation of Python (nicknamed CPython). A number of alternative implementations are available as well, namely

* [IronPython](http://ironpython.net/) (Python running on .NET)
* [Jython](http://www.jython.org/) (Python running on the Java Virtual Machine)
* [PyPy](http://pypy.org/) (A [fast](http://speed.pypy.org/) python implementation with a JIT compiler)
* [Stackless Python](http://www.stackless.com/) (Branch of CPython supporting microthreads)

Other parties have re-packaged CPython. These re-packagings often include more libraries or are specialized for a particular application:

* [ActiveState ActivePython](http://www.activestate.com/activepython/) (commercial and community versions, including scientific computing modules)
* [pythonxy](https://code.google.com/p/pythonxy/) (Scientific-oriented Python Distribution based on Qt and Spyder)
* [winpython](http://code.google.com/p/winpython/) (WinPython is a portable scientific Python distribution for Windows)
* [Conceptive Python SDK](http://www.conceptive.be/python-sdk.html) (targets business, desktop and database applications)
* [Enthought Canopy](https://www.enthought.com/products/canopy/) (a commercial distribution for scientific computing)
* [Portable Python](http://portablepython.com/) (Python and add-on packages configured to run off a portable device)
* [PyIMSL Studio](http://www.roguewave.com/products/imsl-numerical-libraries/pyimsl-studio.aspx) (a commercial distribution for numerical analysis – free for non-commercial use)
* [Anaconda Python](https://store.continuum.io/cshop/anaconda) (a full Python distribution for data management, analysis and visualization of large data sets)
* [eGenix PyRun](https://www.egenix.com/products/python/PyRun/) (a portable Python runtime, complete with stdlib, frozen into a single executable file)

# Portable version:

The followign text is taken from:

Portable Python is not being developed anymore. At the moment there are several better and more up-to-date alternatives:

[PythonXY](https://code.google.com/p/pythonxy/)

Python(x,y) is a free scientific and engineering development software for numerical computations, data analysis and data visualization based on Python programming language, Qt graphical user interfaces and Spyder interactive scientific development environment.

[WinPython](http://winpython.github.io/)

A free Python-distribution for Windows plattform, including prebuilt packages for Scientific Python.

[Anaconda](https://store.continuum.io/cshop/anaconda/)

Completely free enterprise-ready Python distribution for large-scale data processing, predictive analytics, and scientific computing

[Python Anywhere](http://pythonanywhere.com/)

PythonAnywhere makes it easy to create and run Python programs in the cloud. You can write your programs in a web-based editor or just run a console session from any modern web browser.

# IDE:

https://www.visualstudio.com/en-us/features/python-vs.aspx

Has usefull links to learn Python and tools

PyDev is for Eclipse: see http://www.jython.org/

Netbeans has apperently also a nice plug-in: see also at jython.org