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[](http://www.python.org/)

Python for Non-Programmers - If you've never programmed before, the tutorials on this page are recommended for you; they don't assume that you have previous experience. If you have programming experience, also check out the [BeginnersGuide/Programmers](https://wiki.python.org/moin/BeginnersGuide/Programmers) page.

Books - You can find many free Python books online. For example, check out [this article with 101 free Python books](https://blog.finxter.com/free-python-books/).

Interactive Courses -These sites give you instant feedback on programming problems that you can solve in your browser.

* [CheckiO](http://www.checkio.org/) is a gamified website containing programming tasks that can be solved in Python 3.
* [Codecademy (](https://www.codecademy.com/search?query=python)Python)
* [Code the blocks](https://codetheblocks.com/) combines Python programming with a 3D environment where you "place blocks" and construct structures. It also comes with Python tutorials that teach you how to create progressively elaborate 3D structures.
* [Computer Science Circles](http://cscircles.cemc.uwaterloo.ca/) has 30 lessons, 100 exercises, and a message system where you can ask for help. Teachers can use it with their students. It is also available in Dutch, French, German, and Lithuanian.
* [DataCamp Python Tutorial](https://www.datacamp.com/courses/intro-to-python-for-data-science) Unlike most other Python tutorials, this 4 hour tutorial by [DataCamp](https://www.datacamp.com/) focuses on Python specifically for Data Science. It has 57 interactive exercises and 11 videos.
* [Finxter](https://finxter.com/) - How good are your Python skills? Test and Training with >300 hand-picked Python puzzles.
* [HackInScience](https://hackinscience.org/) - 50+ Python exercises on a free, adless, simple, and open-source platform.
* [How to Think Like a Computer Scientist: Interactive Edition](http://interactivepython.org/runestone/static/thinkcspy/index.html) is an interactive reimagination of Elkner, Downey and Meyer's book with visualizations and audio explanations.mail Academies
* [Finxter Email Computer Science Academy](https://blog.finxter.com/email-academy/): 20+ free Python and computer science courses delivered in email video lessons. **Content**: cheat sheets, Python basics, data structures, [NumPy](https://wiki.python.org/moin/NumPy), data science, career advancement, coding productivity, and machine learning.

Tutorials and Websites

* [A Byte of Python](https://python.swaroopch.com/), by Swaroop C.H., is also an introductory text for people with no previous programming experience.
* [After Hours Programming Python 3 Tutorial](https://www.afterhoursprogramming.com/tutorial/Python/Overview/)
* [An App to Learn Python](https://www.programiz.com/learn-python) - A beginner-friendly app on Android and iOS to learn Python step by step with an in-built interpreter and quizzes.
* [Ask Python](https://askpython.com/) Absolute Beginners Python Tutorial
* [Beginner-friendly Python guide](https://python.land/about-python), that starts with the absolute basics but goes on to more advanced stuff as well
* [Classpert - Python](https://classpert.com/python-programming) - A large collection of free and paid Python online courses, from a wide range of providers.
* [Hackr.io - Python](https://hackr.io/tutorials/learn-python): Programming community-recommended best Python tutorials and courses
* [Hands-on Python Tutorial](http://www.cs.luc.edu/~anh/python/hands-on/3.0/) Beginners' Python, graphics, and simple client/server introduction, with videos
* [Learning to Program](http://www.alan-g.me.uk/) An introduction to programming for those who have never programmed before, by Alan Gauld. It introduces several programming languages but has a strong emphasis on Python. (Python 2 and 3)
* [Letsfindcourse - Python](http://letsfindcourse.com/python): Best Python tutorials and courses recommended by experts.
* [The Wikibooks Non-Programmer's Tutorial for Python by Josh Cogliati](http://en.wikibooks.org/wiki/Non-Programmer's_Tutorial_for_Python_3.0)
* [Learn Python](https://overiq.com/python/3.4/intro-to-python/) An Introductory yet in-depth tutorial for Python beginners.
* [Learning to Program](http://www.alan-g.me.uk/l2p/) by Alan Gauld
* The [Python tips](http://pythontips.com/) blog includes Python tips and tutorials for beginners and professional programmers.
* [Python Tutorial in Python's documentation set](http://docs.python.org/py3k/tutorial/). It's not written with non-programmers in mind, but it will give you an idea of the language's flavor and style.
* [The Python-Course.eu's extensive tutorial for complete beginners](http://www.python-course.eu/python3_course.php), with lots of illustrations.
* [Pythonspot Tutorials](https://www.pythonspot.com/) Python tutorials.
* [The Python Guru](http://thepythonguru.com/) A beginner-friendly guide for aspiring programmers.
* [CodersLegacy](https://coderslegacy.com/) A website + blog geared towards both new and experienced programmers. Mainly focused on teaching Python.
* [The Codezine](https://thecodezine.com/) A python programming blog built for beginners.
* [Top Courses to Learn Python - gitconnected.com](https://gitconnected.com/learn/python) Python tutorials submitted and ranked by Python developers with the best rising to the top
* [Coursesity - Python](https://coursesity.com/best-tutorials-learn/python) - Curated list of the best python courses and tutorials for beginners.

Tutorials for Scientific Audiences

These websites are written in support of science courses but are general enough that anyone can learn from them.

* [Beginning Python for Bioinformatics](http://www.onlamp.com/pub/a/python/2002/10/17/biopython.html) by Patrick O'Brien. An introduction to Python aimed at biologists that introduces the [PyCrust](https://wiki.python.org/moin/PyCrust) shell and Python's basic data types.
* [Python for Number Theory](http://illustratedtheoryofnumbers.com/prog.html) is a series of Python notebooks (for Jupyter) for applications to number theory and cryptography. They assume no prior programming experience and are suitable for someone learning elementary number theory at the same time. They conclude with an introduction to primality testing and cryptography (Diffie-Hellman, RSA).
* [Python for biologists](http://www.pythonforbiologists.com/)

Videos

* [Python Programming Tutorials for Beginners](https://youtu.be/uCzFUKWtzgA?list=PLboXykqtm8dy_DNg1NZiS08Dnyj35PWXw): Installation, IDE, variables, functions, strings, lists, OOP
* The [Young Programmers Podcast](http://young-programmers.blogspot.com/search/label/python) contains video lessons on Python, Pygame, Jython, Scratch, Alice, Java, and Scala.

Tools

* [Thonny, Python IDE for beginners](http://thonny.org/)