

# Python materials

- **Python REGEX**

- [Python Regular expression operations](#) - Official doco.
- [Regular Expression HOWTO](#) by A.M. Kuchling

- **Educative courses**

- [Python 3: An interactive deep dive](#) by Mark Pilgrim, implemented by the Educaitive Team
- [Python 101: Interactively learn how to program with Python 3](#) by Michael Driscoll
- [Python 201 - Interactively Learn Advanced Concepts in Python 3](#) by Michael Driscoll

- **Online Python Courses**

- edx's [Introduction to Computer Science and Programming Using Python](#) . The companion book can be [found here](#).
  - MIT Open Courseware also offers a gentler “lead-in” course designed for those with no programming background that you can take before taking the above: [Building Programming Experience: A Lead-In to 6.001](#).
- MIT Open Courseware's [A Gentle Introduction to Programming with Python](#)
- Coursera's [Programming for Everybody \(Python\)](#) For beginners.
- Codecademy's beginners; tends to focus primarily on syntax [Python track](#).
- Udacity's [Programming Foundations with Python](#) Focuses on object-

- [Educative's Programming Foundations with Python](#). Focuses on object oriented programming.
- Team Treehouse's [Python course](#).
- Udemy's [Python Regular Expressions with Data Scraping Projects](#), this book - video version!

- **Interactive resources:**

- [LearnPython](#) An interactive online guide that teaches basic Python.
- [Try Python](#) Another interactive online guide.
- Educative's [Python Regular Expressions with Data Scraping Projects](#), this course!

- **Books and tutorials (online):**

- [Learn Python the Hard Way](#) Part of the “Learn X the Hard Way” series. Despite its name, this is one of the easiest introductions to Python available.
- [Automate the Boring Stuff with Python](#) .From the [Invent with Python](#) author.
- How to Think Like a Computer Scientist ([Python 2 version](#) and [Python 3 version](#))

- [Think Python](#)Comprehensive introductory text on Python.

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- The official Python tutorial (for [Python 2](https://docs.python.org/2/tutorial/) and [Python 3](https://docs.python.org/3/tutorial/)). Moves a little quickly, but is very comprehensive and thorough.
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- [Problem Solving with Algorithms and Data Structures](http://interactivepython.org/runestone/static/pythonds/index.html)
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- [Dive into Python 3](http://www.diveintopython3.net/) An accelerated introduction to Python.
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- [Program Arcade Games With Python And Pygame](http://ProgramArcadeGames.com)
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- [The Hitchhiker's Guide to Python](https://python-guide.readthedocs.or
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- [pycrumbs](http://resrc.io/list/4/pycrumbs/) A huge list of many useful articles, tutorials, and snippets on Python, ranging from basic to advanced.
- [PyMOTW](http://pymotw.com/) A tour of the Python standard library through short examples.
- [Import Python](http://importpython.com/books/) A catalog of Python books (some are free)

- **Exercises:**

- [Pyschools](#) Exercises and challenges in Python.