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 Educaitve 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 beforetaking the above: [Building Programming Experience: A Lead-In to 6.001](#).

  - MIT Open Courseware's [A Gentle Introduction to Programming sing 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-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.

-    [Problem Solving with Algorithms and Data Structures](http://interacti
vepython.org/runestone/static/pythonds/index.html)

-    [Dive into Python 3](http://www.diveintopython3.net/) An accelerated i
ntroduction to Python.

-    [Program Arcade Games With Python And Pygame](http://ProgramArcadeGame
s.com)

-    [The Hitchhiker's Guide to Python](https://python-guide.readthedocs.or
g/en/latest/)
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-     [pycrumbs](http://resrc.io/list/4/pycrumbs/) A huge list of many usefu
l articles, tutorials, and snippits on Python, ranging from basic t

o        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 bo
oks (some are free)
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- **Exercises:**

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