

4DN4

Advanced Internet Communications

Some Python Resources

Some Python Resources

- #1: Try the website '<https://learnpythonthehardway.org>
- It has an online book/tutorial that leads you to install Python quickly on Windows / Linux / MAC OSX machines
- #2: Try <http://it-ebooks.info>: it has a free PDF book called "Programming Python", very detailed, 1600+ pages
- #3; Visit: <http://en.wikibooks.org>: It has a free 159-page book called 'Python Programming'
- #4: Visit the 'Python Software Foundation' web-site at <https://docs.python.org>
- It has an online tutorial with about 75 pages, with about 15 chapters. I have collected the 15 chapters together and created one PDF file, which I will post on our class web-site
- In the first 4DN4 tutorial (Wed, Jan. 7, 2015), the TAs Maryam and Haleh presented how to install Python on a Windows machine, following the 'learnpythonthehardway' tutorial. A video of the tutorial will be on our class web-site.

Visit <http://learnpythonthehardway.org>

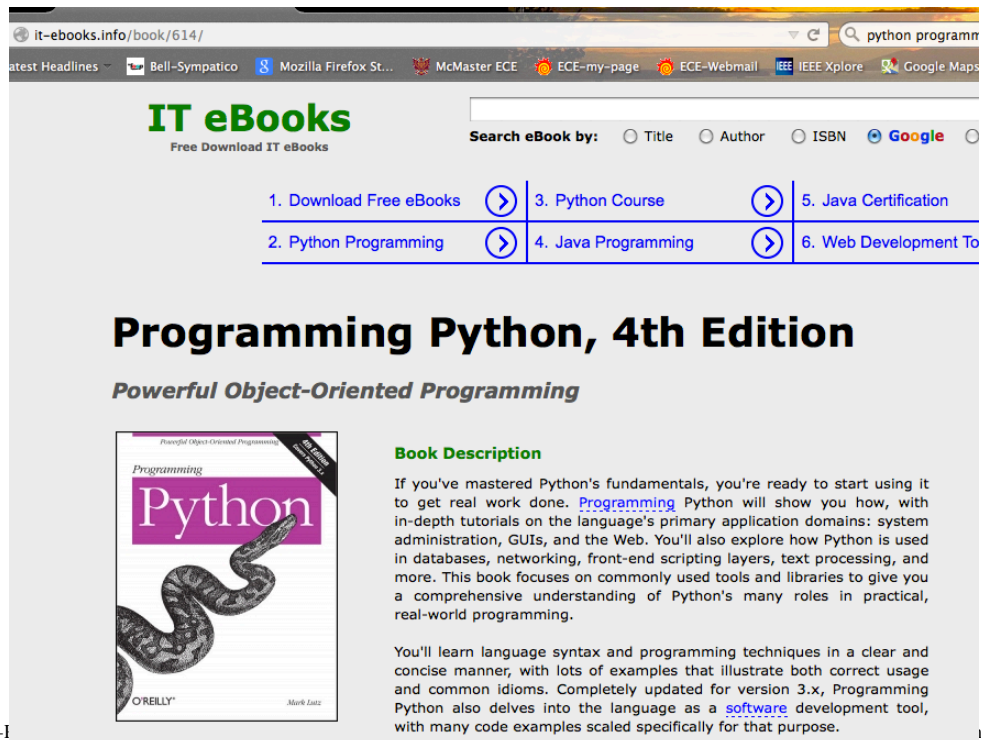


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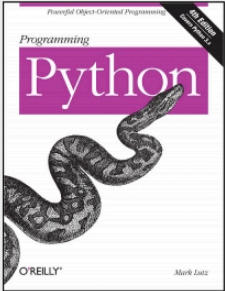
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Programming Python, 4th Edition

Powerful Object-Oriented Programming



Book Description

If you've mastered Python's fundamentals, you're ready to start using it to get real work done. [Programming Python](#) will show you how, with in-depth tutorials on the language's primary application domains: system administration, GUIs, and the Web. You'll also explore how Python is used in databases, networking, front-end scripting layers, text processing, and more. This book focuses on commonly used tools and libraries to give you a comprehensive understanding of Python's many roles in practical, real-world programming.

You'll learn language syntax and programming techniques in a clear and concise manner, with lots of examples that illustrate both correct usage and common idioms. Completely updated for version 3.x, [Programming Python](#) also delves into the language as a [software](#) development tool, with many code examples scaled specifically for that purpose.

Visit <http://wikibooks.org> (159-page book)



The screenshot shows the Wikibooks page for "Python Programming". The page title is "Python Programming" and it is categorized as a "Book". The main content area describes Python as an open-source general-purpose interpreted programming language, available for various platforms like Microsoft Windows, Apple Mac OS X, GNU/Linux, BSD, etc. It mentions three major implementations: the standard one in C, Jython in Java, and IronPython in C#. The page also features a "Contents" section with links to "Intro", "Overview", "Getting Python", "Setting it up", "Interactive mode", and "Self Help". There are also links for "Basics" and "Creating Python programs". On the right side, there are options to view a printable version or a PDF version of the book. The footer of the page includes the text "2015 - 4DN4-Programming Languages 5" and "© Ted Szymanski".

Visit the Python Software Foundation at <https://docs.python.org> (75 page tutorial)



The screenshot shows the Python Software Foundation documentation page for Python 2.7.9. The page title is "Python 2.7.9 documentation" and it includes a welcome message stating that the documentation was last updated on Jan 06, 2015. The page is organized into several sections, including "What's new in Python 2.7?", "Tutorial", "Library Reference", "Language Reference", "Python Setup and Usage", "Python HOWTOs", "Extending and Embedding", "Python/C API", "Installing Python Modules", "Distributing Python Modules", and "FAQs". The left sidebar contains navigation links for downloading documents, other versions, and other resources. The bottom of the page shows a taskbar with various application icons.

Installing Python

- The prof. made a short 1 hour video of his experience in installing and running Python on an Apple MAC computer (with OS 10.6.8). Its on the class web-site.
- I could not install NETBEANS 8.0 on MAC OS 10.6.8, since the install requires MAC OS 10.8 and JAVA 8.0
- You can check out the profs. video to see if you might want to install Python on your computer. (There are many long pauses in the video, while I try to figure out what to do next.)
- Python will run on Windows and Linux, by following this book's instructions. The 4DN4 TAs have shown how to install Python on a Windows machine in tutorial #1.
- There may be other online tutorials on how to install Python on your machine OS: if you find out and if its works nicely, then please let the prof. know.