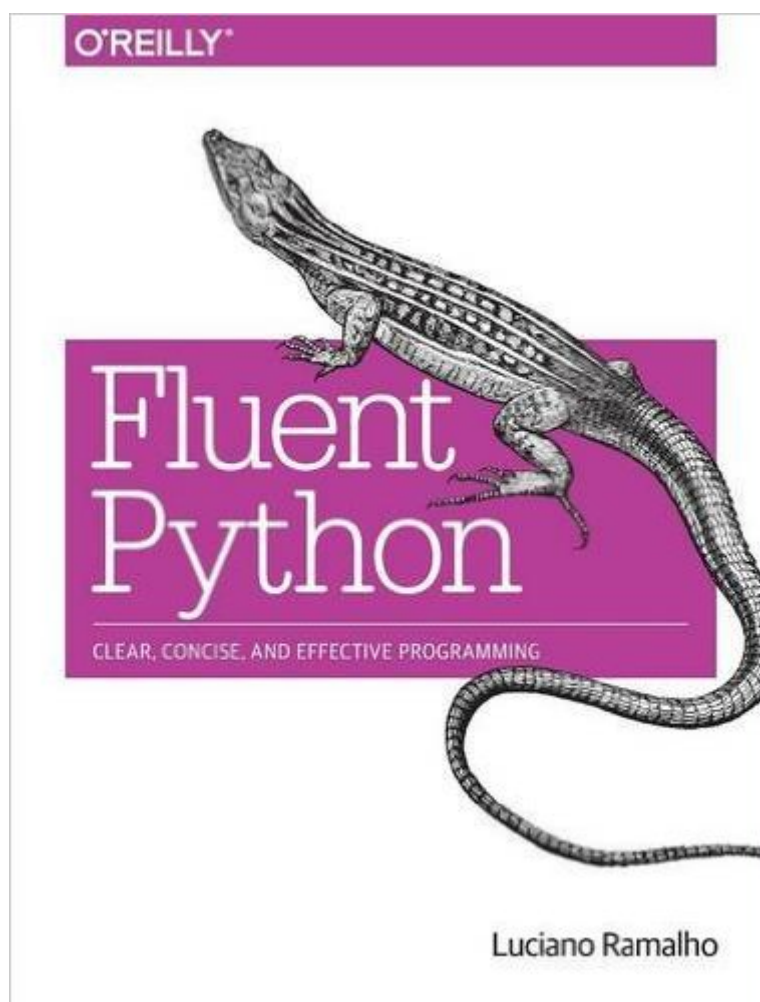# The book was found

Fluent Python

Synopsis

Pythonâ ™s simplicity lets you become productive quickly, but this often means you arenâ ™t using everything it has to offer. With this hands-on guide, youâ ™ll learn how to write effective, idiomatic Python code by leveraging its bestâ ”and possibly most neglectedâ ”features. Author Luciano Ramalho takes you through Pythonâ ™s core language features and libraries, and shows you how to make your code shorter, faster, and more readable at the same time.Many experienced programmers try to bend Python to fit patterns they learned from other languages, and never discover Python features outside of their experience. With this book, those Python programmers will thoroughly learn how to become proficient in Python 3.This book covers:Python data model: understand how special methods are the key to the consistent behavior of objectsData structures: take full advantage of built-in types, and understand the text vs bytes duality in the Unicode ageFunctions as objects: view Python functions as first-class objects, and understand how this affects popular design patternsObject-oriented idioms: build classes by learning about references, mutability, interfaces, operator overloading, and multiple inheritanceControl flow: leverage context managers, generators, coroutines, and concurrency with the concurrent.futures and asyncio packagesMetaprogramming: understand how properties, attribute descriptors, class decorators, and metaclasses work

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Customer Reviews

Among the books that are currently populating my Goodread's wishlist are no less than 20 titles dedicated to the Python language. They range from Django up to pandas, passing through Twisted and Test-Driver Development. Time is limited, so they often end up waiting in queue for months. But when I've seen Fluent Python on that shelf I had to make it mine immediately and put it in front of that queue. Getting through this book took me several months, not only because we are talking about some 700 hundreds good pages, but mostly due to the fact that it covers advanced topics that most of the Pythonists currently living on planet Earth never heard of in their life. Fluent Python is one of those books that you must taste little by little or you get devoured by those fierce topics and examples.Released late this summer, Fluent Python is the latest work of Ramalho, a name that should sound familiar to those that have been already diving deeply into, allow me the term, Python's high-end features, powerful things, such as coroutines, that most developers never heard of in their life. Those that did probably hope never being tested on them during a job interview. And that's pretty much what the book is all about. Neither style nor the the basics of the language, but very advanced features. Quite a rare book indeed, since almost all of the Python books available introduce the readers to the language and don't get past Object Oriented Programming.An excellent text overall, no doubts. Not for the faint of heart. Still, I am a bit puzzled by the fact that some chapters look extremely simple, others cover quirks and intricacies that you can probably live without, unless you dare touching the very core of the language ,and that get you to reach the end of a chapter with that what the hell expression on your face. The chapter covering abstract classes is an example of the former. Don't get me wrong, it's interesting and the examples well laid out. Still, it looks a basic concept that doesn't fit this kind of book.A couple of words on the examples: they are throughout the whole book well done. The author often presents the same concepts in different flavors or does work on the same example and improves it as concepts are taken into the discussion. The code is intense but easy to follow. Key lines are extensively explained later on, so that the reader won't miss that specific features that makes it all possible. There are so many gems that you will probably end up writing most of that code down to make it yours. This is actually the best thing the reader can do. Try it, modify it, assimilate it, master it.Among the many topics covered there are two that are worth mentioning: the first is chapter four, which covers strings, Unicode and bytes. Marvelous, simply marvelous. The examples, the explanations. So clear and to the point. You definitely get away from it with a deep understanding of how strings work in Python 2.7 and 3. The second is that dedicated to futures. Actually it's the whole topic, which spans several chapters at the very end of the book. The authors shows how working with threads and subprocesses improve the efficiency of an application, and how easy it is to exploit them through the futures that are now

available in the language. He does gives us a very interesting example in many different flavors, showing us how the code and performance change. Great.Decorators and closures are also well described, even if not as good as the aforementioned topics. In that sense, the author does complement what we find about the subject in Effective Python: 59 Specific Ways to Write Better Python, another must have for any serious Pythonist.Overall, a great Python book. A must have for any Python developer interested in getting the most out of the language.As usual, you can find more reviews on my personal blog: http://books.lostinmalloc.com. Feel free to pass by and share your thoughts!

Luciano's Python style is beautiful. I've been programming in Python for 15 years, and am learning something from every page. Sometimes those things are language features, but more often it's just a more elegant, expressive way of writing Python. This is a book that can make a good programmer better.

Author has a deep understanding of the language and is a gifted instructor. There is nothing even close to it in terms of depth and clarity for modern Python. Part V which includes coverage of asyncio is worth the price of the whole book. Coverage of more elementary topics such as references, mutability etc are also great. My highest recommendation.

Great book for those interested in modern, idiomatic, Python development. I've seen some of the author's lectures in Brazil and the book does an amazing job on bring its practical, straightforward and clear approach to a whole new audience.Although it's not a book for beginners, I've been amazingly successful using it and the Python Cookbook to present Python to Java and C# developers.

As the title and description suggest, this book truly is to achieve 'fluency' in Python. It touches on nearly every point of the language that is pythonic, describing not just the how and the what, but the why. This book is definitely not a good beginner book for Python (however, someone extremely well versed in Java or C++ could probably benefit from it, if they relied on more basic information from alternative sources), but I wouldn't say it's only for expert users. This book touches on a very wide selection of subjects, from some pretty common Python concepts, like Duck Typing, generators, and function and class decorators to more advanced subjects like abstract base classes, multiple inheritance, mixins, and meta programming. The prose is easy to read and even entertaining. It may

be the first programming book I read for enjoyment, and not just reference.Luciano demonstrates that he truly is fluent in Python, and while probably 25% of the chapters were not on any subject that is useful to me, all of them yielded new information and helpful hints, and even tips and tricks to increase performance or readability of the code. I would think that, given the wide range of topics, at least 30% of the book will be extremely helpful to your specific use case, regardless of what that is.

This will be short: Python fanatics are blessed with the availability of a number of first-rate publications. This is possibly the best of an excellent lot. It covers many language features and subtleties in thorough, but not painful, detail. I'm 2/3rds of the way through and it has been a great pleasure learning about so many language issues that years of practice with Python had not made clear to me. The author has many interesting things to say about Python's development and he offers many, many references to talks and other material on the subject. This book has only one shortcoming that I've noticed: The index is weak, particularly for such an encyclopedic volume. Thank you, Luciano Ramalho, for this wonderful book.

I'm an old hand with Python, having used it professionally and personally (along with C++) for a few years. I'm only a short way into the book but have already learned a number of things that will be useful. The theory is explained very well along with application. I highly recommend this book to practicing Pythonistas.

I am an intermediate Python programmer, and I am so far finding this book both readable and highly informative. The book both puts a new spin on what I know already and also tells me many small but memorable details about common language features that I expect to be handy in the future.

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