



Mastering Object-oriented Python

By Steven F. Lott

Download now

Read Online ➔

Mastering Object-oriented Python By Steven F. Lott

Key Features

- Create applications with flexible logging, powerful configuration and command-line options, automated unit tests, and good documentation
- Use the Python special methods to integrate seamlessly with built-in features and the standard library
- Design classes to support object persistence in JSON, YAML, Pickle, CSV, XML, Shelve, and SQL

Book Description

An object-oriented approach to Python web development gives you a much more fully-realised experience of the language. The flexibility and power of Python, combined with the improvements in design, coding and software maintenance that object-oriented programming allows, is built to respond to the challenges of increasingly more complex and data-intensive application development, making difficult tasks much more manageable. This book has been designed to make this sophisticated approach to programming easier to learn quickly, providing you with a clear and coherent learning journey.

Beginning by looking at a range of design patterns for the `__init__()` method, you will learn how to effectively use a range of Python's special methods to create classes that integrate with Python's built-in features, and find detailed explorations and demonstrations of callables and contexts, containers and collections, numbers, and decorators and mixins, with a focus on best practices for effective and successful design. The book also features information that demonstrates how to create persistent objects using JSON, YAML, Pickle, CSV, XML, Shelve and SQL and shows you how to transmit objects between processes. Going further into OOP, you'll find expert information on logging, warnings, unit testing as well as working with the command line.

Structured in 3 parts to make the complexity of OOP more manageable - Pythonic Classes via Special Methods, Persistence and Serialization and Testing, Debugging, Deploying, and Maintaining this book offers deep insight into OOP that will help you develop expert level object-oriented Python skills.

What you will learn

- Create applications with flexible logging, powerful configuration and command-line options, automated unit tests, and good documentation
- Get to grips with different design patterns for the `__init__()` method
- Design callable objects and context managers
- Perform object serialization in formats such as JSON, YAML, Pickle, CSV, and XML
- Map Python objects to a SQL database using the built-in SQLite module
- Transmit Python objects via RESTful web services
- Devise strategies for automated unit testing, including how to use the `doctest` and the `unittest.mock` module
- Parse command-line arguments and integrate this with configuration files and environment variables

About the Author

Steven F. Lott has been programming since the 70s, when computers were large, expensive, and rare. As a contract software developer and architect, he has worked on hundreds of projects, from very small to very large. He's been using Python to solve business problems for over 10 years.

Table of Contents

Coping with the Command Line

Download and Read Free Online Mastering Object-oriented Python By Steven F. Lott

Editorial Review About the Author

Steven F. Lott Steven F. Lott has been programming since the 70s, when computers were large, expensive, and rare. As a contract software developer and architect, he has worked on hundreds of projects from very small to very large. He's been using Python to solve business problems for over 10 years. Steven is currently a technomad who lives in various places on the east coast of the US.

Users Review From reader reviews:

Louis Venable: Book is to be different for every single grade. Book for children right up until adult are different content. As you may know that book is very important normally. The book Mastering Object-oriented Python has been making you to know about other know-how and of course you can take more information. It is rather advantages for you. The book Mastering Object-oriented Python is not only giving you a lot more new information but also to get your friend when you experience bored. You can spend your own personal spend time to read your guide. Try to make relationship while using book Mastering Object-oriented Python. You never really feel lose out for everything if you read some books.

Edward Stewart: Here thing why this Mastering Object-oriented Python are different and dependable to be yours. First of all reading a book is good however it depends in the content of the usb ports which is the content is as tasty as food or not. Mastering Object-oriented Python giving you information deeper since different ways, you can find any guide out there but there is no reserve that similar with Mastering Object-oriented Python. It gives you thrill studying journey, its open up your current eyes about the thing that will happened in the world which is probably can be happened around you. You can actually bring everywhere like in park your car, café, or even in your way home by train. Should you be having difficulties in bringing the paper book maybe the form of Mastering Object-oriented Python in e-book can be your option.

Yvonne Casey: Spent a free time to be fun activity to complete! A lot of people spent their sparetime with their family, or all their friends. Usually they accomplishing activity like watching television, likely to beach, or picnic in the park. They actually doing same every week. Do you feel it? Do you need to something different to fill your current free time/ holiday? Might be reading a book is usually option to fill your totally free time/ holiday. The first thing you ask may be what kinds of e-book that you should read. If you want to try out look for book, may be the publication untitled Mastering Object-oriented Python can be very good book to read. May be it may be best activity to you.

Annmarie Windham: Many people spending their period by playing outside together with friends, fun activity using family or just watching TV the entire day. You can have new activity to shell out your whole day by looking at a book. Ugh, think reading a book will surely hard because you have to take the book everywhere? It alright you can have the e-book, getting everywhere you want in your Touch screen phone. Like Mastering Object-oriented Python which is obtaining the e-book version. So , why not try out this book? Let's notice. Download and Read Online Mastering Object-oriented Python By Steven F. Lott #3ACHMU68VZF

Read Mastering Object-oriented Python By Steven F. Lott for online ebook Mastering Object-oriented Python By Steven F. Lott Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, great books to read, PDF best books to read, top books to read Mastering Object-oriented Python By Steven F. Lott books to read online. Online Mastering Object-oriented Python By Steven F. Lott ebook PDF download Mastering Object-oriented Python By Steven F. Lott Doc Mastering Object-oriented Python By Steven F. Lott Mobipocket Mastering Object-oriented Python By Steven F. Lott EPub 3 ACHMU68VZF: Mastering Object-oriented Python By Steven F. Lott