Google Drive



Mastering Object-oriented Python - Transform Your Approach to Python Programming

Steven F. Lott

Download now

Click here if your download doesn"t start automatically

Mastering Object-oriented Python - Transform Your Approach to Python Programming

Steven F. Lott

Mastering Object-oriented Python - Transform Your Approach to Python Programming 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 Pythonâs special methods to create classes that integrate with Pythonâs 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, youâll 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 â 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

1. The _init_() Method
2. Integrating Seamlessly with Basic Python Special Methods
3. Attribute Access, Properties, and Descriptors
4. The ABCs of Consistent Design
5. Using Callables and Contexts
6. Creating Contrainers and Collections
7. Creating Numbers
8. Decorators and Mixins: Cross-Cutting Aspects
9. Serializing and Saving â JSON, YAML, Pickle, CSV, and XML
10. Storing and Retrieving Objects via Shelve
11. Storing and Retrieving Objects via SQLite
12. Transmitting and Sharing Objects
13. Configuration Files and Persistence
14. The Logging and Warning Modules
15. Designing for Testability
16. Coping with the Command Line
17. The Module and Package Design
18. Quality and Documentation

Download Mastering Object-oriented Python - Transform Your ...pdf

Read Online Mastering Object-oriented Python - Transform You ...pdf

Download and Read Free Online Mastering Object-oriented Python - Transform Your Approach to Python Programming Steven F. Lott

---

From reader reviews:

Thomas Paris:

Within other case, little men and women like to read book Mastering Object-oriented Python - Transform Your Approach to Python Programming. You can choose the best book if you want reading a book. As long as we know about how is important the book Mastering Object-oriented Python - Transform Your Approach to Python Programming. You can add information and of course you can around the world by just a book. Absolutely right, mainly because from book you can understand everything! From your country until eventually foreign or abroad you may be known. About simple thing until wonderful thing you can know that. In this era, you can open a book or even searching by internet unit. It is called e-book. You need to use it when you feel bored to go to the library. Let's examine.

Alfredo Dunn:

The ability that you get from Mastering Object-oriented Python - Transform Your Approach to Python Programming is a more deep you searching the information that hide into the words the more you get interested in reading it. It doesn't mean that this book is hard to recognise but Mastering Object-oriented Python - Transform Your Approach to Python Programming giving you thrill feeling of reading. The article writer conveys their point in certain way that can be understood by simply anyone who read the item because the author of this book is well-known enough. This book also makes your current vocabulary increase well. That makes it easy to understand then can go along, both in printed or e-book style are available. We advise you for having this kind of Mastering Object-oriented Python - Transform Your Approach to Python Programming instantly.

Karl Irwin:

A lot of e-book has printed but it takes a different approach. You can get it by web on social media. You can choose the most beneficial book for you, science, comedy, novel, or whatever by searching from it. It is referred to as of book Mastering Object-oriented Python - Transform Your Approach to Python Programming. You can contribute your knowledge by it. Without departing the printed book, it could add your knowledge and make you actually happier to read. It is most essential that, you must aware about book. It can bring you from one spot to other place.

Jamie Norman:

A lot of people said that they feel fed up when they reading a e-book. They are directly felt it when they get a half portions of the book. You can choose often the book Mastering Object-oriented Python - Transform Your Approach to Python Programming to make your own personal reading is interesting. Your personal skill of reading proficiency is developing when you similar to reading. Try to choose very simple book to make you enjoy you just read it and mingle the idea about book and looking at especially. It is to be initial opinion for you to like to wide open a book and examine it. Beside that the guide Mastering Object-oriented

Python - Transform Your Approach to Python Programming can to be a newly purchased friend when you're really feel alone and confuse using what must you're doing of the time.

Download and Read Online Mastering Object-oriented Python - Transform Your Approach to Python Programming Steven F. Lott #A9CNEWI3PBK

Read Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott for online ebook

Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott Free PDF d0wnl0ad, 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, greatbooks to read, PDF best books to read, top books to read Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott books to read online.

Online Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott ebook PDF download

Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott Doc

Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott Mobipocket

Mastering Object-oriented Python - Transform Your Approach to Python Programming by Steven F. Lott EPub