

Python Unlocked

By Arun Tigeraniya

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Python Unlocked By Arun Tigeraniya

Key Features

- Write smarter, bug-free, high performance code with minimal effort
- Uncover the best tools and options available to Python developers today
- Deploy decorators, design patters, and various optimization techniques to use Python 3.5 effectively

Book Description

Python is a versatile programming language that can be used for a wide range of technical tasks?computation, statistics, data analysis, game development, and more. Though Python is easy to learn, it's range of features means there are many aspects of it that even experienced Python developers don't know about. Even if you're confident with the basics, its logic and syntax, by digging deeper you can work much more effectively with Python – and get more from the language.

Python Unlocked walks you through the most effective techniques and best practices for high performance Python programming - showing you how to make the most of the Python language. You'll get to know objects and functions inside and out, and will learn how to use them to your advantage in your programming projects. You will also find out how to work with a range of design patterns including abstract factory, singleton, strategy pattern, all of which will help make programming with Python much more efficient. Finally, as the process of writing a program is never complete without testing it, you will learn to test threaded applications and run parallel tests.

If you want the edge when it comes to Python, use this book to unlock the secrets of smarter Python programming.

What you will learn

- Manipulate object creation processes for instances, classes, and functions
- Use the best possible language constructs to write data structures with super speed and maintainability
- Make efficient use of design patterns to decrease development time and make your code more maintainable

- Write better test cases with an improved understanding of the testing framework of Python and unittests, and discover how to develop new functionalities in it
- Write fully-optimized code with the Python language by profiling, compiling C modules, and more
- Unlock asynchronous programming to build efficient and scalable applications

About the Author

Arun Tigeraniya has a BE in electronics and communication. After his graduation, he worked at various companies as a Python developer. His main professional interests are AI and Big Data. He enjoys writing efficient and testable code, and interesting technical articles. He has worked with open source technology since 2008. He currently works at Jaarvis Labs Limited, India.

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2. Namespaces and Classes
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5. Elegance with Design Patterns
6. Test-Driven Development
7. Optimization Techniques
8. Scaling Python

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Editorial Review

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Users Review

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Christopher Ray:

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