Learning Python: Powerful Object-Oriented Programming

By Mark Lutz

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Google and YouTube use Python because it's highly adaptable, easy to maintain, and allows for rapid development. If you want to write high-quality, efficient code that's easily integrated with other languages and tools, this hands-on book will help you be productive with Python quickly -- whether you're new to programming or just new to Python. It's an easy-to-follow self-paced tutorial, based on author and Python expert Mark Lutz's popular training course.

Each chapter contains a stand-alone lesson on a key component of the language, and includes a unique Test Your Knowledge section with practical exercises and quizzes, so you can practice new skills and test your understanding as you go. You'll find lots of annotated examples and illustrations to help you get started with Python 3.0.

Learn about Python's major built-in object types, such as numbers, lists, and dictionariesCreate and process objects using Python statements, and learn Python's general syntax modelStructure and reuse code using functions, Python's basic procedural toolLearn about Python modules: packages of statements, functions, and other tools, organized into larger componentsDiscover Python's object-oriented programming tool for structuring codeLearn about the exception-handling model, and development tools for writing larger programsExplore advanced Python tools including decorators, descriptors, metaclasses, and Unicode processing

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Editorial Review

Review
As a book for programmers who want to learn Python, it does a very good job. The coverage is informative and well order; making it easy to find what you're looking for. Overall, if you do some work with Python, you will benefit from owning this book. " - Sam Smith, news@UK, March "This book is a good example of Python culture, in the clarity of its text as much as in the quality of its code. Anyone working their way through it will have a solid foundation upon which to explore Python's potential. Highly recommended." - Ivan Uemilianin, CVu, October 2004 --Ivan Uemilianin, CVu, October 2004

About the Author

Mark Lutz is the world leader in Python training, the author of Python's earliest and best-selling texts, and a pioneering figure in the Python community since 1992. He is also the author of O'Reilly's Programming Python, Python Pocket Reference, and Learning Python (all in 4th Editions). Mark can be reached on the web at www.rmi.net.

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