



# Programming Python: Powerful Object-Oriented Programming

By Mark Lutz

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**Programming Python: Powerful Object-Oriented Programming** By Mark Lutz

If you've mastered Python's fundamentals, you're ready to start using it to get real work done. *Programming Python* will show you how, with in-depth tutorials on the language's primary application domains: system administration, GUIs, and the Web. You'll also explore how Python is used in databases, networking, front-end scripting layers, text processing, and more. This book focuses on commonly used tools and libraries to give you a comprehensive understanding of Python's many roles in practical, real-world programming.

You'll learn language syntax and programming techniques in a clear and concise manner, with lots of examples that illustrate both correct usage and common idioms. Completely updated for version 3.x, *Programming Python* also delves into the language as a software development tool, with many code examples scaled specifically for that purpose.

Topics include:

- **Quick Python tour:** Build a simple demo that includes data representation, object-oriented programming, object persistence, GUIs, and website basics
- **System programming:** Explore system interface tools and techniques for command-line scripting, processing files and folders, running programs in parallel, and more
- **GUI programming:** Learn to use Python's tkinter widget library
- **Internet programming:** Access client-side network protocols and email tools, use CGI scripts, and learn website implementation techniques
- **More ways to apply Python:** Implement data structures, parse text-based information, interface with databases, and extend and embed Python

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### **Editorial Review**

#### **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 has been a software developer for 25 years, and is the author of O'Reilly's Programming Python, 3rd Edition and Python Pocket Reference, 3rd Edition.

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