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Introducing Python

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SIMPLE PACKAGES



Free Sampler

Bill Lubanovic

Introducing Python

Easy to understand and fun to read, *Introducing Python* is ideal for beginning programmers as well as those new to the language. Author Bill Lubanovic takes you from the basics to more involved and varied topics, mixing tutorials with cookbook-style code recipes to explain concepts in Python 3. End-of-chapter exercises help you practice what you've learned.

You'll gain a strong foundation in the language, including best practices for testing, debugging, code reuse, and other development tips. This book also shows you how to use Python for applications in business, science, and the arts, using various Python tools and open source packages.

- Learn simple data types, and basic math and text operations
- Use data-wrangling techniques with Python's built-in data structures
- Explore Python code structure, including the use of functions
- Write large programs in Python, with modules and packages
- Dive into objects, classes, and other object-oriented features
- Examine storage from flat files to relational databases and NoSQL
- Use Python to build web clients, servers, APIs, and services
- Manage system tasks such as programs, processes, and threads
- Understand the basics of concurrency and network programming

Bill Lubanovic has developed software with UNIX since 1977, GUIs since 1981, databases since 1990, and web applications since 1993. Recently, he developed core services and distributed systems with a remote team for a startup. Currently, he's integrating OpenStack services for a supercomputer company.

“Bill Lubanovic has achieved a tour de force, laying down the foundations for programming and then teaching you how to deal with real life problems through the huge Python toolbox. This book is a sure path for learning how to solve problems the Python way.”

—Loïc Pefferkorn
open source systems engineer

PYTHON

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