

[PDF] Fluent Python: Clear, Concise, And Effective Programming

Luciano Ramalho - pdf download free book

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Fluent Python

Python's simplicity lets you become productive quickly, but the often means you aren't using everything it has to offer. With this hands-on guide, you'll learn how to write effective, idiomatic Python code by leveraging its best—and possibly most neglected—features. Author Luciano Ramalho takes you through Python's core language features and libraries, and shows you how to make your code shorter, faster, and more readable at the same time.

Many experienced programmers try to bend Python to fit patterns they learned from other languages, and never discover Python features outside of their experience. With this book, those Python programmers will thoroughly learn how to become proficient in Python 3.


This book covers

- The Python data model: understand how special methods are the key to the consistent behavior of objects
- Data structures: take full advantage of built-in types, and understand the text versus bytes duality in the Unicode age
- Functions as objects: view Python functions as first-class objects, and understand how this affects popular design patterns
- Object-oriented idioms: build classes by learning about references, mutability, interfaces, operator overloading, and multiple inheritance
- Control flow: leverage context managers, generators, comprehensions, and concurrency with the concurrent.futures and asyncio packages
- Metaprogramming: understand how properties, attribute descriptors, class decorators, and metaclasses work


Luciano Ramalho, a Python programmer since 1998, is a Python Software Foundation Fellow, co-owner of Python-protein-training company in Brazil, and cofounder of Casa Hacker Clube, Brazil's first hackerspace. He has led software development teams and taught Python courses in Brazilian media, banking, and government sectors.

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