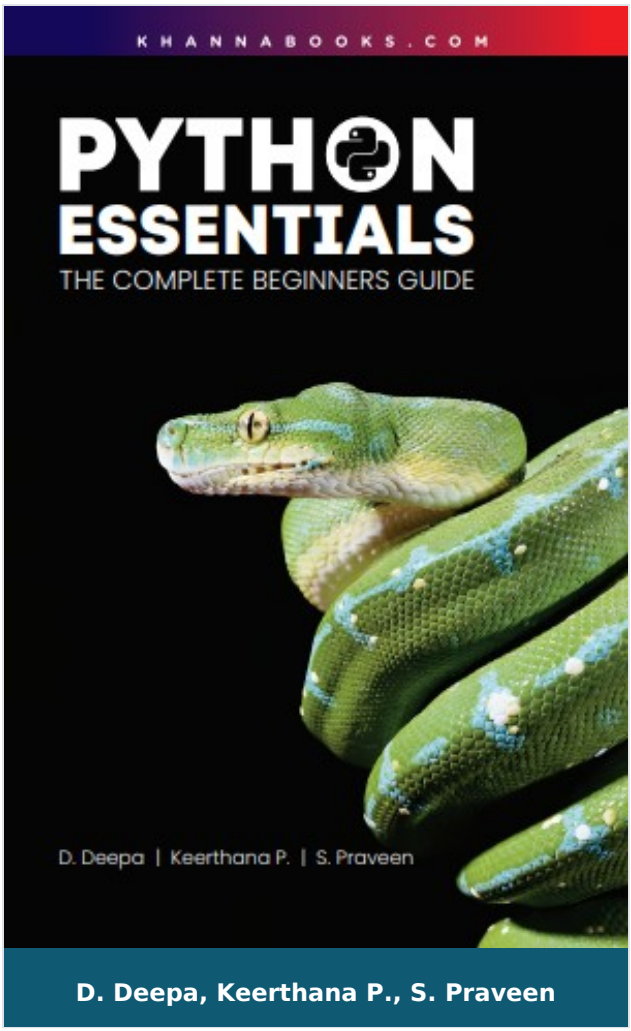


D. Deepa, Keerthana P., S. Praveen

Python Essentials (The Complete beginners Guide)

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Product Description

Python Essentials (The Complete beginners Guide)

Python is the bedrock of modern technology—powering everything from Data Science and Machine Learning to Web Development and System Automation. But where do you start?

Python Essentials: The Complete Beginner's Guide is your definitive, practical roadmap. Built specifically for absolute beginners, this book capitalizes on Python's simple, English-like syntax to ensure a swift and successful journey into coding.

This guide moves beyond theory, equipping you with the fundamental logic and Object-Oriented Programming (OOP) principles needed for professional work. By the time you finish, you won't just know Python; you'll be able to build, debug, and implement real-world solutions. Launch your career or elevate your productivity—the power of Python starts here.

Salient Features:

This guide provides a complete, hands-on path to Python mastery, focusing on modern, practical skills:

- **Core Foundations**: Master the essential building blocks, including variables, expressions, and primary data structures (Lists, Strings, Tuples, Dictionaries).
- **Object-Oriented Programming (OOP)**: Gain a clear understanding of OOP principles (Classes, Objects, Inheritance) to write robust, scalable, and reusable code.
- **GUI and Database Development**: Develop practical tools by learning to build Graphical User Interfaces (GUI) with Tkinter and manage data using the SQLite database library.
- **Debugging and Error Handling**: Acquire crucial development skills like effective Exception Handling and code tracing using Python's built-in debugger, pdb.

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- **Real-World Project Skills**: Learn to manage projects professionally with topics like File Handling, utilizing Virtual Environments, and performing efficient Code Reviews.
- **Versatile Programming**: Understand Python's support for multiple paradigms, including procedural, functional, and object-oriented styles, preparing you for any job role.

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