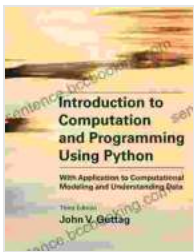


Master Computational Thinking and Programming with Python: Discover Introduction to Computation and Programming Using Python, Third Edition

Unlock the Power of Computation and Programming with Python

In today's rapidly evolving technological landscape, computational thinking and programming have emerged as indispensable skills. 'Introduction to Computation and Programming Using Python, Third Edition' is the comprehensive guide that empowers you to master these essential disciplines.



Introduction to Computation and Programming Using Python, third edition: With Application to Computational Modeling and Understanding Data

by John Guttag

★★★★☆ 4.5 out of 5

Language : English
File size : 16134 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
X-Ray : Enabled
Print length : 872 pages



Written by renowned computer science educators, this third edition has been meticulously updated to reflect the latest advancements in Python and computational thinking. As you delve into its pages, you will embark on

an engaging journey that transforms you from a novice to a confident and capable programmer.

Key Features and Benefits

- **Comprehensive Coverage:** Covers a wide range of topics, from foundational concepts to advanced programming techniques, ensuring a thorough understanding of computation and programming.
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- **Engaging Examples and Exercises:** Features numerous real-world examples and challenging exercises to reinforce concepts and foster critical thinking skills.
- **Updated Content:** Incorporates the latest advancements in Python and computational thinking, ensuring you are equipped with the most current knowledge and skills.
- **Interactive Online Resources:** Provides access to interactive online resources, including code examples, quizzes, and discussion forums, enhancing your learning experience.

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'to Computation and Programming Using Python, Third Edition' is meticulously designed for:

- Students seeking a comprehensive to computation and programming.
- Individuals transitioning to a career in technology or data science.

- Professionals seeking to enhance their programming skills and computational thinking abilities.
- Anyone interested in gaining a deep understanding of the fundamentals of computation and programming.

About the Authors

The book is authored by a team of experienced computer science educators:

- **John Guttag:** Professor of Computer Science at MIT and a leading researcher in programming languages and software engineering.
- **Eric Van Wyk:** Professor of Computer Science at Carnegie Mellon University and an expert in computer graphics and human-computer interaction.
- **Jeffrey Sheldon:** Senior Lecturer in Computer Science at the University of Washington and a specialist in introductory programming and computational thinking.

Testimonials

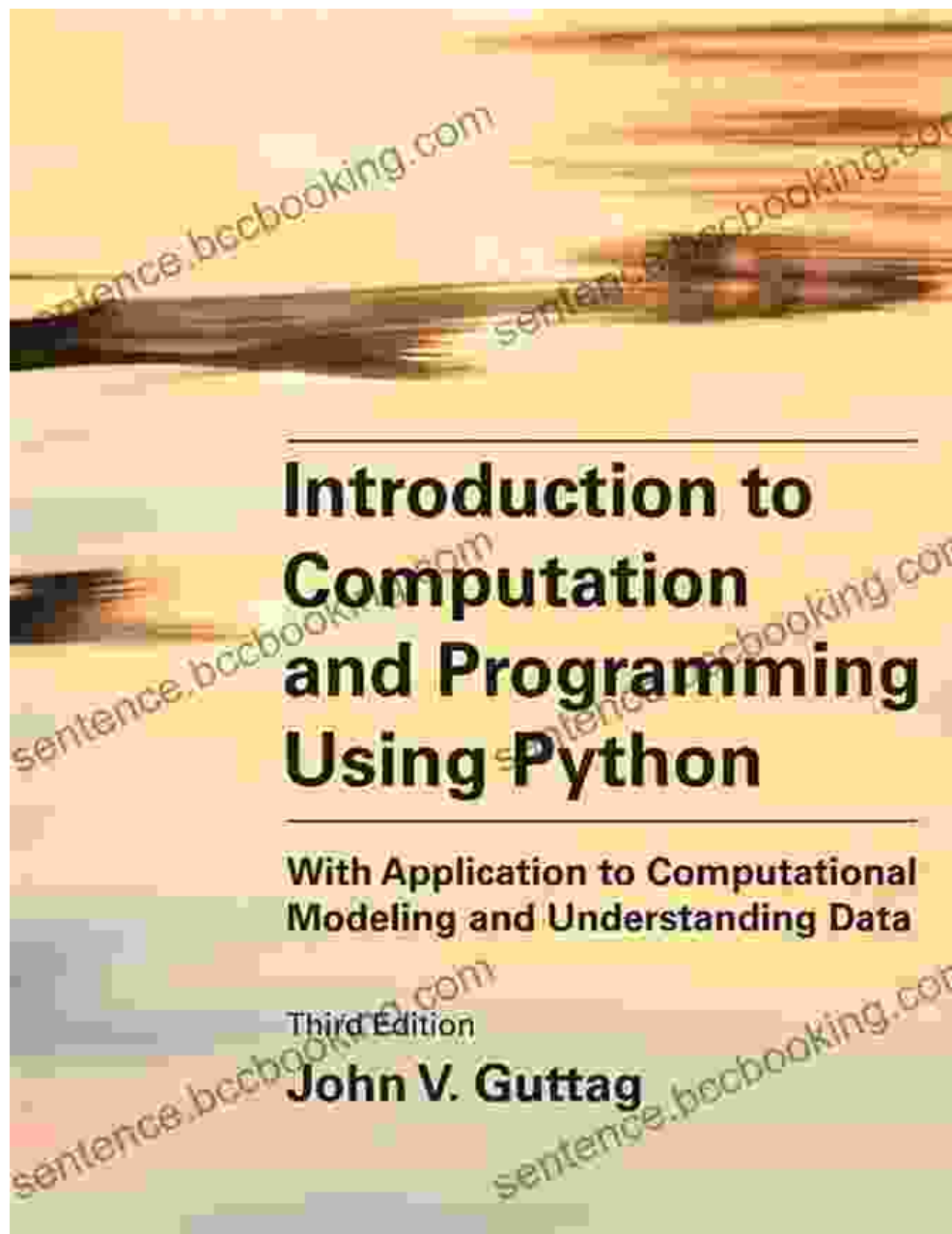
"This book is an excellent to computation and programming. It provides a clear and concise explanation of the fundamental concepts, and it is full of engaging examples and exercises." - *Dr. David Gries, Professor of Computer Science, Cornell University*

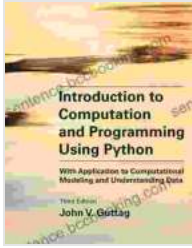
"I highly recommend this book to anyone who wants to learn about computation and programming. It is a well-written and comprehensive guide that will help you master these essential skills." - *Dr. Susan Landau, Professor of Computer Science, University of Massachusetts Amherst*

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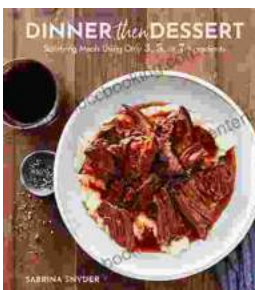


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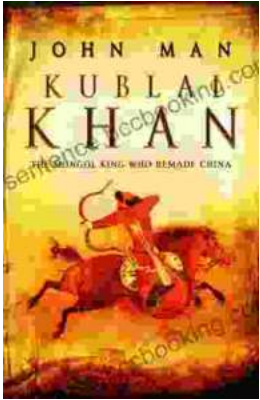
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