
Berkeley Java Edition Tutorial

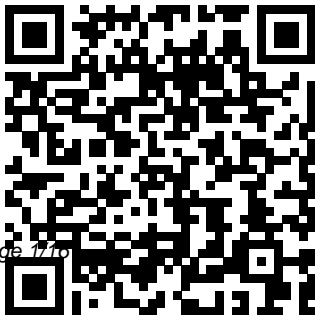
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A Modern Approach Diplomatica Verlag

This book is a definitive introduction to models of computation for the design of complex, heterogeneous systems. It has a particular focus on cyber-physical systems, which integrate computing, networking, and physical dynamics. The book captures more than twenty years of experience in the Ptolemy Project at UC Berkeley, which pioneered many design, modeling, and simulation techniques that are now in widespread use. All of the methods covered in the book are realized in the open source Ptolemy II modeling framework and are available for experimentation through links provided in the book. The book is suitable for engineers, scientists, researchers, and managers who wish to understand the rich possibilities offered by modern modeling techniques. The goal of the book is to

equip the reader with a breadth of experience that will help in understanding the role that such techniques can play in design.

A Short Course on the Basics
Apress

The Java® Tutorial, Sixth Edition, is based on the Java Platform, Standard Edition (Java SE) 8. This revised and updated edition introduces the new features added to the platform, including lambda expressions, default methods, aggregate operations, and more. An accessible and practical guide for programmers of any level, this book focuses on how to use the rich environment provided by Java to build

applications, applets, and components. Expanded coverage includes a chapter on the Date-Time API and a new chapter on annotations, with sections on type annotations and pluggable type systems as well as repeating annotations. In addition, the updated sections "Security in Rich Internet Applications" and "Guidelines for Securing Rich Internet Applications" address key security topics. The latest deployment best practices are described in the chapter "Deployment in Depth." If you plan to take one of the Java SE 8 certification exams, this book

can help. A special appendix, "Preparing for Java Programming Language Certification," details the items covered on the available exams. Check online for updates. All of the material has been thoroughly reviewed by members of Oracle Java engineering to ensure that the information is accurate and up to date. This book is based on the online tutorial hosted on Oracle Corporation's website at <http://docs.oracle.com/javase/tutorial>.

The Java EE 7 Tutorial Digital Press
The Java EE 6 Tutorial: Advanced Topics, Fourth Edition, is a task-oriented, example-driven guide to

developing enterprise applications for the Java Platform, Enterprise Edition 6 (Java EE 6). Written by members of the Java EE 6 documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide—which builds on the concepts introduced in *The Java EE 6 Tutorial: Basic Concepts, Fourth Edition*—contains advanced material, including detailed introductions to more complex platform features and instructions for using the latest version of the NetBeans IDE and the GlassFish Server, Open Source Edition. This book introduces the Java Message Service (JMS) API and Java EE Interceptors. It also describes

advanced features of JavaServer Faces, Servlets, JAX-RS, Enterprise JavaBeans components, the Java Persistence API, Contexts and Dependency Injection for the Java EE Platform, web and enterprise application security, and Bean Validation. The book culminates with three new case studies that illustrate the use of multiple Java EE 6 APIs.

BPF Performance Tools The Java Tutorial A Short Course on the Basics

This book teaches the basics of XML with an original approach, using real-world examples from an interesting (and operating) environment with broad applicability. It covers the full spectrum of Berkeley DB XML tools, including the command-line shell, transactions,

rollbacks, replication, archiving and monitoring. Techniques and concepts that have broad applicability outside of the subject matter are skillfully explained: XML, XPath, XQuery, XML schemas, all industry-standard technologies that find one of their best tutorial treatments, and all in the context of a simple database solution. The book also presents a remarkable example of query power.

Spark: The Definitive Guide "O'Reilly Media, Inc."

Now in its second edition, *Text Analysis with R* provides a practical introduction to computational text analysis using the open source programming language R. R is an extremely popular programming language, used throughout the sciences; due to its accessibility, R is now used increasingly in

other research areas. In this volume, readers immediately begin working with text, and each chapter examines a new technique or process, allowing readers to obtain a broad exposure to core R procedures and a fundamental understanding of the possibilities of computational text analysis at both the micro and the macro scale. Each chapter builds on its predecessor as readers move from small scale “microanalysis” of single texts to large scale “macroanalysis” of text corpora, and each concludes with a set of practice exercises that reinforce and expand upon the chapter lessons. The book’s focus is on making the technical palatable and making the technical useful and immediately gratifying. *Text Analysis with R* is written with students and scholars

of literature in mind but will be applicable to algorithms.

other humanists and social scientists wishing to extend their methodological toolkit to include quantitative and computational approaches to the study of text.

Computation provides access to information in text that readers simply cannot gather using traditional qualitative methods of close reading and human synthesis. This new edition features two new chapters: one that introduces `dplyr` and `tidyr` in the context of parsing and analyzing dramatic texts to extract speaker and receiver data, and one on sentiment analysis using the `syuzhet` package. It is also filled with updated material in every chapter to integrate new developments in the field, current practices in R style, and the use of more efficient

[The Java Tutorial](#) Addison-Wesley Professional

Assuming no prior background in linear algebra or real analysis, *An Introduction to MATLAB® Programming and Numerical Methods for Engineers* enables you to develop good computational problem solving techniques through the use of numerical methods and the MATLAB® programming environment. Part One introduces fundamental programming concepts, using simple examples to put new concepts quickly into practice. Part Two covers the fundamentals of algorithms and numerical analysis at a level allowing you to quickly apply results in practical settings. Tips, warnings, and "try this" features

within each chapter help the reader develop good programming practices Chapter summaries, key terms, and functions and operators lists at the end of each chapter allow for quick access to important information At least three different types of end of chapter exercises — thinking, writing, and coding — let you assess your understanding and practice what you've learned

Cutting Code Pearson Education

Offers techniques and tips for designing Web pages based on their subject matter, including travel, entertainment, research, sales, children, food, fashion, and science

For Students of Literature "O'Reilly Media, Inc."

This book contains the papers presented at

the 9th International Workshop on Field Programmable Logic and Applications (FPL '99), hosted by the University of Strathclyde in Glasgow, Scotland, August 30 – September 1, 1999. FPL '99 is the ninth in the series of annual FPL workshops. The FPL '99 programme committee has been fortunate to have received a large number of high-quality papers addressing a wide range of topics. From these, 33 papers have been selected for presentation at the workshop and a further 32 papers have been accepted for the poster sessions. A total of 65 papers from 20 countries are included in this volume. FPL is a subject area that attracts researchers from both electronic engineering and computer science. Whether we are engaged in research into software or

hard software seems to be primarily a question of perspective. What is unquestionable is that the interaction of groups of researchers from different backgrounds results in stimulating and productive research. As we prepare for the new millennium, the premier European forum for researchers in field programmable logic remains the FPL workshop. Next year the FPL series of workshops will celebrate its tenth anniversary. The contribution of so many overseas researchers has been a particularly attractive feature of these events, giving them a truly international perspective, while the informal and convivial atmosphere that pervades the workshops have been their hallmark. We look forward to preserving these features in the future while continuing

to expand the size and quality of the events.

The Definitive Guide to Berkeley DB XML
Sams Publishing

Small, special-purpose computing devices and high-end core Internet servers need fast, reliable database management. Berkeley DB is an embedded database that provides high-performance, scalable, transaction-protected and recoverable data management services to applications. Extremely portable, this library runs under almost all UNIX and Windows variants, as well as a number of embedded, real-time operating systems. Berkeley DB is the ultimate resource for the world's most widely deployed embedded database engine. This book will aid software architects and engineers, product managers, and systems and network administrators without the overhead imposed by other database products. Designed by

programmers for programmers, this classic library style toolkit provides a broad base of functionality to application writers. This book will help you to make intelligent choices about when and how to use Berkeley DB to meet your needs. You can visit the Sleepycat website to get the latest errata for this book. NOTE: The first printing of this book contained an error in the table of contents that caused the page numbers to be off. This will be corrected in the second printing. If you have an earlier edition, you can download a pdf of the correct table of contents that you can print out and use with your book. If you have any questions, please feel free to contact the editor of this book at stephanie.wall@newriders.com.

Software and Sociality Addison-Wesley
The Java TutorialA Short Course on the BasicsAddison-Wesley Professional

Messaging for the J2EE Platform Lee & Seshia
This book offers a new approach to introductory scientific computing. It aims to make students comfortable using computers to do science, to provide them with the computational tools and knowledge they need throughout their college careers and into their professional careers, and to show how all the pieces can work together. Rubin Landau introduces the requisite mathematics and computer science in the course of realistic problems, from energy use to the building of skyscrapers to projectile motion with drag. He is attentive to how each discipline uses its own language to describe the same concepts and how computations are concrete instances of the abstract. Landau covers the basics of computation, numerical analysis, and programming from a computational science

perspective. The first part of the printed book uses the problem-solving environment Maple as its context, with the same material covered on the accompanying CD as both Maple and Mathematica programs; the second part uses the compiled language Java, with equivalent materials in Fortran90 on the CD; and the final part presents an introduction to LaTeX replete with sample files. Providing the essentials of computing, with practical examples, *A First Course in Scientific Computing* adheres to the principle that science and engineering students learn computation best while sitting in front of a computer, book in hand, in trial-and-error mode. Not only is it an invaluable learning text and an essential reference for students of mathematics, engineering, physics, and other sciences, but it is also a consummate model for future textbooks in computational science and engineering courses. A broad spectrum of computing tools and examples that can be used throughout an academic career Practical computing aimed at solving realistic problems Both symbolic and numerical computations A multidisciplinary approach: science + math + computer science Maple and Java in the book itself; Mathematica, Fortran90, Maple and Java on the accompanying CD in an interactive workbook format *Field Guide to Hadoop* Pearson Education BPF and related observability tools give software professionals unprecedented visibility into software, helping them analyze operating system and application performance, troubleshoot code, and strengthen security. BPF Performance Tools: Linux System and Application Observability is the industry 's most

comprehensive guide to using these tools for observability. Brendan Gregg, author of the industry 's definitive guide to system performance, introduces powerful new methods and tools for doing analysis that leads to more robust, reliable, and safer code. This authoritative guide: Explores a wide spectrum of software and hardware targets Thoroughly covers open source BPF tools from the Linux Foundation iovisor project 's bcc and bpftrace repositories Summarizes performance engineering and kernel internals you need to understand Provides and discusses 150+ bpftrace tools, including 80 written specifically for this book: tools you can run as-is, without programming — or customize and develop further, using diverse interfaces and the

bpftrace front-end You ' ll learn how to use BPF (eBPF) tracing tools to analyze CPUs, memory, disks, file systems, networking, languages, applications, containers, hypervisors, security, and the Linux kernel. You ' ll move from basic to advanced tools and techniques, producing new metrics, stack traces, custom latency histograms, and more. It ' s like having a superpower: with Gregg ' s guidance and tools, you can analyze virtually everything that impacts system performance, so you can improve virtually any Linux operating system or application.

[A First Course in Scientific Computing](#)
River Publishers

This is a book to help you quickly find the math and science information you ' re

looking for at the library, on websites, through publishers who sell books and magazines, organizations, etc. Think of it as my attempt to organize a framework for the worlds of math and science.

The Berkeley DB Book Addison-Wesley Professional

The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java

classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, `net.datastructures`. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java Collections Framework.

[An Introduction to MATLAB® Programming and Numerical Methods for Engineers](#) Morgan Kaufmann

The Java® Tutorial, Fifth Edition, is based on Release 7 of the Java Platform Standard Edition. This revised and updated edition introduces the new features added to the platform, including a section on NIO.2, the new file I/O API, and information on migrating legacy code to the new API. The

deployment coverage has also been expanded, with new chapters such as “ Doing More with Rich Internet Applications ” and “ Deployment in Depth, ” and a section on the fork/join feature has been added to the chapter on concurrency. Information reflecting Project Coin developments, including the new try-with-resources statement, the ability to catch more than one type of exception with a single exception handler, support for binary literals, and diamond syntax, which results in cleaner generics code, has been added where appropriate. The chapters covering generics, Java Web Start, and applets have also been updated. In addition, if you plan to take one of the Java SE 7 certification exams, this guide can help. A special appendix, “ Preparing for Java Programming Language Certification, ” lists the three exams available, details the items

covered on each exam, and provides cross-references to where more information about each topic appears in the text. All of the material has been thoroughly reviewed by members of Oracle Java engineering to ensure that the information is accurate and up to date.

The Java Tutorial MIT Press
The Java EE 7 Tutorial: Volume 2, Fifth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 7 (Java EE 7). Written by members of the Java EE documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide includes descriptions of platform features and provides instructions for using the latest

versions of NetBeans IDE and GlassFish Server Open Source Edition. The book introduces Enterprise JavaBeans components, the Java Persistence API, the Java Message Service (JMS) API, Java EE security, transactions, resource adapters, Java EE Interceptors, Batch Applications for the Java Platform, and Concurrency Utilities for Java EE. The book culminates with three case studies that illustrate the use of multiple Java EE 7 APIs.

The JFC Swing Tutorial ABC-CLIO

The Internet has enabled the convergence of all things information-related. This book provides essential, foundational knowledge of the application of Internet and web technologies in the information and library professions. • Covers a broad spectrum of Internet technologies within the context of knowledge and skills needed by LIS

students and professionals in related fields • Identifies key issues related to the use of Internet technologies in libraries and other information organizations • Helps students understand and apply the basic vocabulary and principles of computer software, hardware, and networks • Identifies the various roles that the web, social media, and mobile 2.0 play in the context of libraries and the LIS profession

Computer Science Logo Style Createspace Independent Publishing Platform

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You ' ll explore the basic operations and common

functions of Spark ' s structured APIs, as well as recommendation
Structured Streaming, a new high-level API for [Advanced Topics](#) Springer
building end-to-end streaming applications. Java Message Service (JMS) represents a
Developers and system administrators will learn a powerful solution for communicating
the fundamentals of monitoring, tuning, and between Java enterprise applications,
debugging Spark, and explore machine learning software components, and legacy systems.
techniques and scenarios for employing MLLib, In this authoritative tutorial and
Spark ' s scalable machine-learning library. Get comprehensive reference, Sun's Java
a gentle overview of big data and Spark Learn Message Service architects offer start-to-
about DataFrames, SQL, and finish coverage of peer-to-peer JMS
Datasets—Spark ' s core APIs—through development with Java 2 Platform,
worked examples Dive into Spark ' s low-level Enterprise Edition, Release 1.3. JMS is now
APIs, RDDs, and execution of SQL and fully integrated into the J2EE platform --
DataFrames Understand how Spark runs on a and this is the first book to show how to
cluster Debug, monitor, and tune Spark clusters make the most of JMS in the context of
and applications Learn the power of Structured sophisticated J2EE application
Streaming, Spark ' s stream-processing engine development. The authors begin by
Learn how you can apply MLLib to a variety of introducing the JMS API to developers who
problems, including classification or

are new to it. Then, with the help of extensive programming examples, they demonstrate key JMS techniques for enabling applications to create, send, receive, and read messages, and for integrating with existing back office and enterprise systems. Coverage includes: consuming messages asynchronously with message-driven beans; producing messages from application clients; accessing entity beans from message-driven bean; producing messages from session beans; and much more. For all Java developers building applications that must communicate and share information.

Introduction to Embedded Systems Academic Press
The book illustrates how this applies to the future of application system development, especially how it

informs and affects Web services and business rule-based approaches, and how semantics will play out with XML and the semantic Web. The book also contains a quick reference guide to related terms and technologies.