

Understanding Java Virtual Machine Sachin Seth

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Java: The Complete Reference, Tenth Edition - Herbert Schildt
2017-10-06

The Definitive Java Programming Guide Supplement for key JDK 10 new features available from book's Downloads & Resources page at OraclePressBooks.com. Fully updated for Java SE 9, Java: The Complete Reference, Tenth Edition explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaFX, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the new module system added by Java SE 9 is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's new interactive programming tool. Coverage includes:

- Data types, variables, arrays, and operators
- Control statements
- Classes, objects, and methods
- Method overloading and overriding
- Inheritance
- Interfaces and packages
- Exception handling
- Multithreaded programming
- Enumerations, autoboxing, and annotations
- The I/O classes
- Generics
- Lambda expressions
- Modules
- String handling
- The Collections Framework
- Networking
- Event handling
- AWT
- Swing and JavaFX
- The Concurrent API
- The Stream API
- Regular expressions
- JavaBeans
- Servlets

Much, much more Code examples in the book are available for download at www.OraclePressBooks.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com.

Recent Trends in Image Processing and Pattern Recognition - K. C. Santosh
2021-03-22

This two-volume set constitutes the refereed proceedings of the Third International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) 2020, held in Aurangabad, India, in January 2020. The 78 revised full papers presented were carefully reviewed and selected from 329 submissions. The papers are organized in topical sections in the two volumes. Part I: Computer vision and applications; Data science and machine learning; Document understanding and Recognition. Part II: Healthcare informatics and medical imaging; Image analysis and recognition; Signal processing and pattern recognition; Image and signal processing in Agriculture.

Blockchain for Cybersecurity and Privacy - Yassine Maleh
2020-08-02

Blockchain technology is defined as a decentralized system of distributed registers that are used to record data transactions on multiple computers. The reason this technology has gained popularity is that you can put any digital asset or transaction in the blocking chain, the industry does not matter. Blockchain technology has infiltrated all areas of our lives, from manufacturing to healthcare and beyond. Cybersecurity is an industry that has been significantly affected by this technology and may be more so in the future. Blockchain for Cybersecurity and Privacy: Architectures, Challenges, and Applications is an invaluable resource to discover the blockchain applications for cybersecurity and privacy. The purpose of this book is to improve the awareness of readers about blockchain technology applications for cybersecurity and privacy. This book focuses on the fundamentals, architectures, and challenges of adopting blockchain for cybersecurity. Readers will discover different applications of blockchain for cybersecurity in IoT and healthcare. The book also includes some case studies of the blockchain for e-commerce online payment, retention payment system, and digital forensics. The book offers comprehensive coverage of the most essential topics, including: Blockchain architectures and challenges Blockchain threats and vulnerabilities Blockchain security and potential future use cases Blockchain for securing Internet of Things Blockchain for cybersecurity in healthcare Blockchain in facilitating payment system security and privacy This book comprises a number of state-of-the-art contributions

from both scientists and practitioners working in the fields of blockchain technology and cybersecurity. It aspires to provide a relevant reference for students, researchers, engineers, and professionals working in this particular area or those interested in grasping its diverse facets and exploring the latest advances on the blockchain for cybersecurity and privacy.

Learning PHP, MySQL, JavaScript, and CSS - Robin Nixon
2012-08-27

Learn how to build interactive, data-driven websites—even if you don't have any previous programming experience. If you know how to build static sites with HTML, this popular guide will help you tackle dynamic web programming. You'll get a thorough grounding in today's core open source technologies: PHP, MySQL, JavaScript, and CSS. Explore each technology separately, learn how to combine them, and pick up valuable web programming concepts along the way, including objects, XHTML, cookies, and session management. This book provides review questions in each chapter to help you apply what you've learned. Learn PHP essentials and the basics of object-oriented programming Master MySQL, from database structure to complex queries Create web pages with PHP and MySQL by integrating forms and other HTML features Learn JavaScript fundamentals, from functions and event handling to accessing the Document Object Model Pick up CSS basics for formatting and styling your web pages Turn your website into a highly dynamic environment with Ajax calls Upload and manipulate files and images, validate user input, and secure your applications Explore a working example that brings all of the ingredients together

Advanced Informatics for Computing Research - Ashish Kumar Luhach
2019-09-16

This two-volume set (CCIS 1075 and CCIS 1076) constitutes the refereed proceedings of the Third International Conference on Advanced Informatics for Computing Research, ICAICR 2019, held in Shimla, India, in June 2019. The 78 revised full papers presented were carefully reviewed and selected from 382 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; software and its engineering.

Machine Vision and Augmented Intelligence—Theory and Applications - Manish Kumar Bajpai
2021-11-10

This book comprises the proceedings of the International Conference on Machine Vision and Augmented Intelligence (MAI 2021) held at IIIT, Jabalpur, in February 2021. The conference proceedings encapsulate the best deliberations held during the conference. The diversity of participants in the event from academia, industry, and research reflects in the articles appearing in the volume. The book theme encompasses all industrial and non-industrial applications in which a combination of hardware and software provides operational guidance to devices in the execution of their functions based on the capture and processing of images. This book covers a wide range of topics such as modeling of disease transformation, epidemic forecast, COVID-19, image processing and computer vision, augmented intelligence, soft computing, deep learning, image reconstruction, artificial intelligence in healthcare, brain-computer interface, cybersecurity, and social network analysis, natural language processing, etc.

Cyber Threat Intelligence - Ali Dehghantanha
2018-04-27

This book provides readers with up-to-date research of emerging cyber threats and defensive mechanisms, which are timely and essential. It covers cyber threat intelligence concepts against a range of threat actors and threat tools (i.e. ransomware) in cutting-edge technologies, i.e., Internet of Things (IoT), Cloud computing and mobile devices. This book also provides the technical information on cyber-threat detection methods required for the researcher and digital forensics experts, in order to build intelligent automated systems to fight against advanced cybercrimes. The ever increasing number of cyber-attacks requires the cyber security and forensic specialists to detect, analyze and defend

against the cyber threats in almost real-time, and with such a large number of attacks is not possible without deeply perusing the attack features and taking corresponding intelligent defensive actions - this in essence defines cyber threat intelligence notion. However, such intelligence would not be possible without the aid of artificial intelligence, machine learning and advanced data mining techniques to collect, analyze, and interpret cyber-attack campaigns which is covered in this book. This book will focus on cutting-edge research from both academia and industry, with a particular emphasis on providing wider knowledge of the field, novelty of approaches, combination of tools and so forth to perceive reason, learn and act on a wide range of data collected from different cyber security and forensics solutions. This book introduces the notion of cyber threat intelligence and analytics and presents different attempts in utilizing machine learning and data mining techniques to create threat feeds for a range of consumers. Moreover, this book sheds light on existing and emerging trends in the field which could pave the way for future works. The inter-disciplinary nature of this book, makes it suitable for a wide range of audiences with backgrounds in artificial intelligence, cyber security, forensics, big data and data mining, distributed systems and computer networks. This would include industry professionals, advanced-level students and researchers that work within these related fields.

Data Science and Analytics - Sha Batra 2020-05-28

This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics.

Advance Java - Gajendra Gupta 2006

Database Design for Mere Mortals - Michael James Hernandez 2003

"This book takes the somewhat daunting process of database design and breaks it into completely manageable and understandable components. Mike's approach whilst simple is completely professional, and I can recommend this book to any novice database designer." --Sandra Barker, Lecturer, University of South Australia, Australia "Databases are a critical infrastructure technology for information systems and today's business. Mike Hernandez has written a literate explanation of database technology--a topic that is intricate and often obscure. If you design databases yourself, this book will educate you about pitfalls and show you what to do. If you purchase products that use a database, the book explains the technology so that you can understand what the vendor is doing and assess their products better." --Michael Blaha, consultant and trainer, author of *A Manager's Guide to Database Technology* "If you told me that Mike Hernandez could improve on the first edition of *Database Design for Mere Mortals* I wouldn't have believed you, but he did! The second edition is packed with more real-world examples, detailed explanations, and even includes database-design tools on the CD-ROM! This is a must-read for anyone who is even remotely interested in relational database design, from the individual who is called upon occasionally to create a useful tool at work, to the seasoned professional who wants to brush up on the fundamentals. Simply put, if you want to do it right, read this book!" --Matt Greer, Process Control Development, The Dow Chemical Company "Mike's approach to database design is totally common-sense based, yet he's adhered to all the rules of good relational database design. I use Mike's books in my starter database-design class, and I recommend his books to anyone who's interested in learning how to design databases or how to write SQL queries." --Michelle Poole, President, MVDS, Inc. "Slapping together sophisticated applications with poorly designed data will hurt you just as much now as when Mike wrote his first edition, perhaps even more. Whether you're just getting started developing with data or are a seasoned pro; whether you've read Mike's previous book or this is your first; whether you're happier letting someone else design your data or you love doing it yourself--this is the book for you. Mike's ability to explain these concepts in a way that's not only clear, but fun, continues to amaze me." --From the Foreword by Ken Getz, MCW Technologies, coauthor *ASP.NET Developer's JumpStart* "The first edition of Mike Hernandez's book *Database Design for Mere Mortals* was one of the few books that survived the cut when I moved my office to smaller quarters. The second edition expands and improves on the original in so many ways. It is not only a good, clear read, but contains a remarkable quantity of clear,

concise thinking on a very complex subject. It's a must for anyone interested in the subject of database design." --Malcolm C. Rubel, Performance Dynamics Associates "Mike's excellent guide to relational database design deserves a second edition. His book is an essential tool for fledgling Microsoft Access and other desktop database developers, as well as for client/server pros. I recommend it highly to all my readers." --Roger Jennings, author of *Special Edition Using Access 2002* "There are no silver bullets! Database technology has advanced dramatically, the newest crop of database servers perform operations faster than anyone could have imagined six years ago, but none of these technological advances will help fix a bad database design, or capture data that you forgot to include! *Database Design for Mere Mortals(TM)*, Second Edition, helps you design your database right in the first place!" --Matt Nunn, Product Manager, SQL Server, Microsoft Corporation "When my brother started his professional career as a developer, I gave him Mike's book to help him understand database concepts and make real-world application of database technology. When I need a refresher on the finer points of database design, this is the book I pick up. I do not think that there is a better testimony to the value of a book than that it gets used. For this reason I have wholeheartedly recommended to my peers and students that they utilize this book in their day-to-day development tasks." --Chris Kunicki, Senior Consultant, OfficeZealot.com "Mike has always had an incredible knack for taking the most complex topics, breaking them down, and explaining them so that anyone can 'get it.' He has honed and polished his first very, very good edition and made it even better. If you're just starting out building database applications, this book is a must-read cover to cover. Expert designers will find Mike's approach fresh and enlightening and a source of great material for training others." --John Viescas, President, Viescas Consulting, Inc., author of *Running Microsoft Access 2000* and coauthor of *SQL Queries for Mere Mortals* "Whether you need to learn about relational database design in general, design a relational database, understand relational database terminology, or learn best practices for implementing a relational database, *Database Design for Mere Mortals(TM)*, Second Edition, is an indispensable book that you'll refer to often. With his many years of real-world experience designing relational databases, Michael shows you how to analyze and improve existing databases, implement keys, define table relationships and business rules, and create data views, resulting in data integrity, uniform access to data, and reduced data-entry errors." --Paul Cornell, Site Editor, MSDN Office Developer Center Sound database design can save hours of development time and ensure functionality and reliability. *Database Design for Mere Mortals(TM)*, Second Edition, is a straightforward, platform-independent tutorial on the basic principles of relational database design. It provides a commonsense design methodology for developing databases that work. Database design expert Michael J. Hernandez has expanded his best-selling first edition, maintaining its hands-on approach and accessibility while updating its coverage and including even more examples and illustrations. This edition features a CD-ROM that includes diagrams of sample databases, as well as design guidelines, documentation forms, and examples of the database design process. This book will give you the knowledge and tools you need to create efficient and effective relational databases.

The World Is Flat 3.0 - Thomas L. Friedman 2007-07-24

This Independence Day edition of *The World is Flat 3.0* includes an exclusive preview of *That Used to Be Us: How America Fell Behind in the World It Invented and How We Can Come Back*, by Thomas L. Friedman and Michael Mandelbaum, on sale September 5th, 2011. A New Edition of the Phenomenal #1 Bestseller "One mark of a great book is that it makes you see things in a new way, and Mr. Friedman certainly succeeds in that goal," the Nobel laureate Joseph E. Stiglitz wrote in *The New York Times* reviewing *The World Is Flat* in 2005. In this new edition, Thomas L. Friedman includes fresh stories and insights to help us understand the flattening of the world. Weaving new information into his overall thesis, and answering the questions he has been most frequently asked by parents across the country, this third edition also includes two new chapters--on how to be a political activist and social entrepreneur in a flat world; and on the more troubling question of how to manage our reputations and privacy in a world where we are all becoming publishers and public figures. *The World Is Flat 3.0* is an essential update on globalization, its opportunities for individual empowerment, its achievements at lifting millions out of poverty, and its drawbacks--environmental, social, and political, powerfully illuminated by the Pulitzer Prize--winning author of *The Lexus and the Olive Tree*.

India Unbound - Gurcharan Das 2002-04-09

India today is a vibrant free-market democracy, a nation well on its way to overcoming decades of widespread poverty. The nation's rise is one of the great international stories of the late twentieth century, and in India Unbound the acclaimed columnist Gurcharan Das offers a sweeping economic history of India from independence to the new millennium. Das shows how India's policies after 1947 condemned the nation to a hobbled economy until 1991, when the government instituted sweeping reforms that paved the way for extraordinary growth. Das traces these developments and tells the stories of the major players from Nehru through today. As the former CEO of Procter & Gamble India, Das offers a unique insider's perspective and he deftly interweaves memoir with history, creating a book that is at once vigorously analytical and vividly written. Impassioned, erudite, and eminently readable, India Unbound is a must for anyone interested in the global economy and its future.

An Introduction to Database Systems - C. J. Date 2000

For over 25 years, C. J. Date's *An Introduction to Database Systems* has been the authoritative resource for readers interested in gaining insight into and understanding of the principles of database systems. This exciting revision continues to provide a solid grounding in the foundations of database technology and to provide some ideas as to how the field is likely to develop in the future. The material is organized into six major parts. Part I provides a broad introduction to the concepts of database systems in general and relational systems in particular. Part II consists of a careful description of the relational model, which is the theoretical foundation for the database field as a whole. Part III discusses the general theory of database design. Part IV is concerned with transaction management. Part V shows how relational concepts are relevant to a variety of further aspects of database technology—security, distributed databases, temporal data, decision support, and so on. Finally, Part VI describes the impact of object technology on database systems. This Seventh Edition of *An Introduction to Database Systems* features widely rewritten material to improve and amplify treatment of *Java*—Paul J. Deitel 2007

The Deitels' groundbreaking *How to Program* series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study. This survey of *Java* programming contains an extensive OOD/UML 2 case study on developing an automated teller machine. The Seventh Edition has been extensively fine-tuned and is completely up-to-date with Sun Microsystems, Inc.'s latest *Java* release—*Java Standard Edition (Java SE) 6*.

Flutter for Beginners - Alessandro Biessek 2019-09-12

A step-by-step guide to learning Flutter and Dart 2 for creating Android and iOS mobile applications. Key Features: Get up to speed with the basics of Dart programming and delve into Flutter development. Understand native SDK and third-party libraries for building Android and iOS applications using Flutter Package and deploy your Flutter apps to achieve native-like performance. Book Description: Google Flutter is a cross-platform mobile framework that makes it easy to write high-performance apps for Android and iOS. This book will help you get to grips with the basics of the Flutter framework and the Dart programming language. Starting from setting up your development environment, you'll learn to design the UI and add user input functions. You'll explore the navigator widget to manage app routes and learn to add transitions between screens. The book will even guide you through developing your own plugin and later, you'll discover how to structure good plugin code. Using the Google Places API, you'll also understand how to display a map in the app and add markers and interactions to it. You'll then learn to improve the user experience with features such as map integrations, platform-specific code with native languages, and personalized animation options for designing intuitive UIs. The book follows a practical approach and gives you access to all relevant code files hosted at github.com/PacktPublishing/Flutter-for-Beginners. This will help you access a variety of examples and prepare your own bug-free apps, ready to deploy on the App Store and Google Play Store. By the end of this book, you'll be well-versed with Dart programming and have the skills to develop your own mobile apps or build a career as a Dart and Flutter app developer. What you will learn: Understand the fundamentals of the Dart programming language. Explore the core concepts of the Flutter UI and how it compiles for multiple platforms. Develop Flutter plugins and widgets and understand how to structure plugin code appropriately. Style your Android and iOS apps with widgets and learn the difference between stateful and stateless widgets. Add animation to your UI using Flutter's `AnimatedBuilder` component. Integrate your native code into your Flutter codebase for native app performance. Who this book is for

This book is for developers looking to learn Google's revolutionary framework Flutter from scratch. No prior knowledge of Flutter or Dart is required; however, basic knowledge of any programming language will be helpful.

Undocumented Secrets of MATLAB-Java Programming - Yair M. Altman 2011-12-05

For a variety of reasons, the MATLAB®-Java interface was never fully documented. This is really quite unfortunate: *Java* is one of the most widely used programming languages, having many times the number of programmers and programming resources as *MATLAB*. Also unfortunate is the popular claim that while *MATLAB* is a fine programming platform for prototyping, it is not suitable for real-world, modern-looking applications. *Undocumented Secrets of MATLAB®-Java Programming* aims to correct this misconception. This book shows how using *Java* can significantly improve *MATLAB* program appearance and functionality, and that this can be done easily and even without any prior *Java* knowledge. Readers are led step-by-step from simple to complex customizations. Code snippets, screenshots, and numerous online references are provided to enable the utilization of this book as both a sequential tutorial and as a random-access reference suited for immediate use. *Java*-savvy readers will find it easy to tailor code samples for their particular needs; for *Java* newcomers, an introduction to *Java* and numerous online references are provided. This book demonstrates how the *MATLAB* programming environment relies on *Java* for numerous tasks, including networking, data-processing algorithms and graphical user-interface (GUI). We can use *MATLAB* for easy access to external *Java* functionality, either third-party or user-created. Using *Java*, we can extensively customize the *MATLAB* environment and application GUI, enabling the creation of visually appealing and usable applications. **Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing** - Nitin Afzalpulkar 2016-04-28

This volume comprises the proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing. It brings together content from academicians, researchers, and industry experts in areas of Wireless Communication and Image Processing. The volume provides a snapshot of current progress in computational creativity and a glimpse of future possibilities. The proceedings include two kinds of paper submissions: (i) regular papers addressing foundation issues, describing original research on creative systems development and modeling; and (ii) position papers describing work-in-progress or research directions for computational creativity. This work will be useful to professionals and researchers working in the core areas of wireless communications and image processing.

DSLs in Action - Debasish Ghosh 2010-11-30

Your success—and sanity—are closer at hand when you work at a higher level of abstraction, allowing your attention to be on the business problem rather than the details of the programming platform. Domain Specific Languages—"little languages" implemented on top of conventional programming languages—give you a way to do this because they model the domain of your business problem. *DSLs in Action* introduces the concepts and definitions a developer needs to build high-quality domain specific languages. It provides a solid foundation to the usage as well as implementation aspects of a DSL, focusing on the necessity of applications speaking the language of the domain. After reading this book, a programmer will be able to design APIs that make better domain models. For experienced developers, the book addresses the intricacies of domain language design without the pain of writing parsers by hand. The book discusses DSL usage and implementations in the real world based on a suite of JVM languages like *Java*, *Ruby*, *Scala*, and *Groovy*. It contains code snippets that implement real world DSL designs and discusses the pros and cons of each implementation. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside: Tested, real-world examples. How to find the right level of abstraction. Using language features to build internal DSLs. Designing parser/combinator-based little languages.

Information, Communication and Computing Technology - Saroj Kaushik 2017-10-10

This book constitutes the refereed proceedings of the Second International Conference on Information, Communication and Computing Technology, ICICCT 2017, held in New Delhi, India, in May 2017. The 29 revised full papers and the 5 revised short papers presented in this volume were carefully reviewed and selected from 219 submissions. The papers are organized in topical sections on network systems and

communication security; software engineering; algorithm and high performance computing.

MongoDB in Action - Kyle Banker 2012-01

This comprehensive guide book begins by explaining what makes MongoDB unique. A series of tutorials designed for MongoDB mastery then leads into detailed examples for leveraging MongoDB in e-commerce, social networking, analytics, and other common applications.

Human Computation - Edith Law 2011-08-08

Human computation is a new and evolving research area that centers around harnessing human intelligence to solve computational problems that are beyond the scope of existing Artificial Intelligence (AI) algorithms. With the growth of the Web, human computation systems can now leverage the abilities of an unprecedented number of people via the Web to perform complex computation. There are various genres of human computation applications that exist today. Games with a purpose (e.g., the ESP Game) specifically target online gamers who generate useful data (e.g., image tags) while playing an enjoyable game. Crowdsourcing marketplaces (e.g., Amazon Mechanical Turk) are human computation systems that coordinate workers to perform tasks in exchange for monetary rewards. In identity verification tasks, users perform computation in order to gain access to some online content; an example is reCAPTCHA, which leverages millions of users who solve CAPTCHAs every day to correct words in books that optical character recognition (OCR) programs fail to recognize with certainty. This book is aimed at achieving four goals: (1) defining human computation as a research area; (2) providing a comprehensive review of existing work; (3) drawing connections to a wide variety of disciplines, including AI, Machine Learning, HCI, Mechanism/Market Design and Psychology, and capturing their unique perspectives on the core research questions in human computation; and (4) suggesting promising research directions for the future. Table of Contents: Introduction / Human Computation Algorithms / Aggregating Outputs / Task Routing / Understanding Workers and Requesters / The Art of Asking Questions / The Future of Human Computation

Information Systems - Marinos Themistocleous 2017-08-14

This book constitutes selected papers from the 14th European, Mediterranean, and Middle Eastern Conference, EMCIS 2017, held in Coimbra, Portugal, in September 2017. EMCIS is focusing on approaches that facilitate the identification of innovative research of significant relevance to the IS discipline following sound research methodologies that lead to results of measurable impact. The 37 full and 16 short papers presented in this volume were carefully reviewed and selected from a total of 106 submissions. They are organized in sections on big data and Semantic Web; digital services, social media and digital collaboration; e-government; healthcare information systems; information systems security and information privacy protection; IT governance; and management and organizational issues in information systems.

The Pattern On The Stone W. Daniel Hillis 2014-12-09

Most people are baffled by how computers work and assume that they will never understand them. What they don't realize—and what Daniel Hillis's short book brilliantly demonstrates—is that computers' seemingly complex operations can be broken down into a few simple parts that perform the same simple procedures over and over again. Computer wizard Hillis offers an easy-to-follow explanation of how data is processed that makes the operations of a computer seem as straightforward as those of a bicycle. Avoiding technobabble or discussions of advanced hardware, the lucid explanations and colorful anecdotes in *The Pattern on the Stone* go straight to the heart of what computers really do. Hillis proceeds from an outline of basic logic to clear descriptions of programming languages, algorithms, and memory. He then takes readers in simple steps up to the most exciting developments in computing today—quantum computing, parallel computing, neural networks, and self-organizing systems. Written clearly and succinctly by one of the world's leading computer scientists, *The Pattern on the Stone* is an indispensable guide to understanding the workings of that most ubiquitous and important of machines: the computer.

Introduction to Database Management Systems - Satinder Bal Gupta

The World Is Flat [Further Updated and Expanded; Release 3.0] -

Thomas L. Friedman 2007-08-07

This new edition of Friedman's landmark book explains the flattening of the world better than ever- and takes a new measure of the effects of this change on each of us.

Java - Herbert Schildt 2018

With Q&A sections; helpful tips; hands-on exercises; self-tests; and example code; this practical book provides up-to-date; essential Java programming skills; and gets you started programming in Java right away. --

Physical Database Design - Sam S. Lightstone 2010-07-26

The rapidly increasing volume of information contained in relational databases places a strain on databases, performance, and maintainability: DBAs are under greater pressure than ever to optimize database structure for system performance and administration. *Physical Database Design* discusses the concept of how physical structures of databases affect performance, including specific examples, guidelines, and best and worst practices for a variety of DBMSs and configurations. Something as simple as improving the table index design has a profound impact on performance. Every form of relational database, such as Online Transaction Processing (OLTP), Enterprise Resource Management (ERP), Data Mining (DM), or Management Resource Planning (MRP), can be improved using the methods provided in the book. The first complete treatment on physical database design, written by the authors of the seminal, *Database Modeling and Design: Logical Design, Fourth Edition* Includes an introduction to the major concepts of physical database design as well as detailed examples, using methodologies and tools most popular for relational databases today: Oracle, DB2 (IBM), and SQL Server (Microsoft) Focuses on physical database design for exploiting B+tree indexing, clustered indexes, multidimensional clustering (MDC), range partitioning, shared nothing partitioning, shared disk data placement, materialized views, bitmap indexes, automated design tools, and more!

Effective Python - Brett Slatkin 2015

Effective Python will help students harness the full power of Python to write exceptionally robust, efficient, maintainable, and well-performing code. Utilizing the concise, scenario-driven style pioneered in Scott Meyers's best-selling *Effective C++*, Brett Slatkin brings together 53 Python best practices, tips, shortcuts, and realistic code examples from expert programmers. Each section contains specific, actionable guidelines organized into items, each with carefully worded advice supported by detailed technical arguments and illuminating examples.

The Mathematical Function Computation Handbook Nelson H.F. Beebe 2017-08-20

This highly comprehensive handbook provides a substantial advance in the computation of elementary and special functions of mathematics, extending the function coverage of major programming languages well beyond their international standards, including full support for decimal floating-point arithmetic. Written with clarity and focusing on the C language, the work pays extensive attention to little-understood aspects of floating-point and integer arithmetic, and to software portability, as well as to important historical architectures. It extends support to a future 256-bit, floating-point format offering 70 decimal digits of precision. Select Topics and Features: references an exceptionally useful, author-maintained MathCW website, containing source code for the book's software, compiled libraries for numerous systems, pre-built C compilers, and other related materials; offers a unique approach to covering mathematical-function computation using decimal arithmetic; provides extremely versatile appendices for interfaces to numerous other languages: Ada, C#, C++, Fortran, Java, and Pascal; presupposes only basic familiarity with computer programming in a common language, as well as early level algebra; supplies a library that readily adapts for existing scripting languages, with minimal effort; supports both binary and decimal arithmetic, in up to 10 different floating-point formats; covers a significant portion (with highly accurate implementations) of the U.S National Institute of Standards and Technology's 10-year project to codify mathematical functions. This highly practical text/reference is an invaluable tool for advanced undergraduates, recording many lessons of the intermingled history of computer hardware and software, numerical algorithms, and mathematics. In addition, professional numerical analysts and others will find the handbook of real interest and utility because it builds on research by the mathematical software community over the last four decades.

Agile IT Organization Design - Sriram Narayan 2015-06-11

Design IT Organizations for Agility at Scale Aspiring digital businesses need overall IT agility, not just development team agility. In *Agile IT Organization Design*, IT management consultant and ThoughtWorks veteran Sriram Narayan shows how to infuse agility throughout your organization. Drawing on more than fifteen years' experience working with enterprise clients in IT-intensive industries, he introduces an agile

approach to “Business-IT Effectiveness” that is as practical as it is valuable. The author shows how structural, political, operational, and cultural facets of organization design influence overall IT agility—and how you can promote better collaboration across diverse functions, from sales and marketing to product development, and engineering to IT operations. Through real examples, he helps you evaluate and improve organization designs that enhance autonomy, mastery, and purpose: the key ingredients for a highly motivated workforce. You’ll find “close range” coverage of team design, accountability, alignment, project finance, tooling, metrics, organizational norms, communication, and culture. For each, you’ll gain a deeper understanding of where your organization stands, and clear direction for making improvements. Ready to optimize the performance of your IT organization or digital business? Here are practical solutions for the long term, and for right now. Govern for value over predictability Organize for responsiveness, not lowest cost Clarify accountability for outcomes and for decisions along the way Strengthen the alignment of autonomous teams Move beyond project teams to capability teams Break down tool-induced silos Choose financial practices that are free of harmful side effects Create and retain great teams despite today’s “talent crunch” Reform metrics to promote (not prevent) agility Evolve culture through improvements to structure, practices, and leadership—and careful, deliberate interventions

Just Enough Software Architecture - George Fairbanks 2010-08-30

This is a practical guide for software developers, and different than other software architecture books. Here's why: It teaches risk-driven architecting. There is no need for meticulous designs when risks are small, nor any excuse for sloppy designs when risks threaten your success. This book describes a way to do just enough architecture. It avoids the one-size-fits-all process tar pit with advice on how to tune your design effort based on the risks you face. It democratizes architecture. This book seeks to make architecture relevant to all software developers. Developers need to understand how to use constraints as guiderails that ensure desired outcomes, and how seemingly small changes can affect a system's properties. It cultivates declarative knowledge. There is a difference between being able to hit a ball and knowing why you are able to hit it, what psychologists refer to as procedural knowledge versus declarative knowledge. This book will make you more aware of what you have been doing and provide names for the concepts. It emphasizes the engineering. This book focuses on the technical parts of software development and what developers do to ensure the system works not job titles or processes. It shows you how to build models and analyze architectures so that you can make principled design tradeoffs. It describes the techniques software designers use to reason about medium to large sized problems and points out where you can learn specialized techniques in more detail. It provides practical advice. Software design decisions influence the architecture and vice versa. The approach in this book embraces drill-down/pop-up behavior by describing models that have various levels of abstraction, from architecture to data structure design.

Arquillian Testing Guide - John Ament 2013

This book is a tutorial filled with plenty of code examples and strategies to give you many options when building your test structure. This book is for developers and testers alike. Anyone who has worked with test driven development or building automated test cases will find use in this book. A reader should be familiar with some automation strategies and techniques such as JUnit and should have some exposure to techniques such as mocking.

Understanding Java Virtual Machine - Sachin Seth 2013

UNDERSTANDING JAVA VIRTUAL MACHINE helps readers in gaining in-depth knowledge of underlying Java virtual machine architecture. Chapters in this book are outcome of author's understanding, developed while coding Java Virtual Machine. Initial chapters give the background of platform dependency and how platform independence can be achieved. It explains the building blocks of the Java Virtual Machine like heap, stacks and other storage areas. In subsequent chapters, it continues with algorithms that Java Virtual Machine performs. This book uses 'C' programming language for explaining the algorithms. Audience having background of 'C' or other language will have an advantage in understanding Java Virtual Machine algorithms. Final chapters help target audience in understanding the implementation of java native interface, multi-threading and garbage collection in Java Virtual Machine.

Proceedings of the Third International Conference on Computational Intelligence and Informatics - K. Srujan Raju 2020-03-17

This book features high-quality papers presented at the International Conference on Computational Intelligence and Informatics (ICCII 2018), which was held on 28–29 December 2018 at the Department of Computer Science and Engineering, JNTUH College of Engineering, Hyderabad, India. The papers focus on topics such as data mining, wireless sensor networks, parallel computing, image processing, network security, MANETS, natural language processing and Internet of things.
Advanced Informatics for Computing Research - Dharm Singh 2017-07-21

This book constitutes the refereed proceedings of the First International Conference on Advanced Informatics for Computing Research , ICAICR 2017, held in Jalandhar, India, in March 2017. The 32 revised full papers presented were carefully reviewed and selected from 312 submissions. The papers are organized in topical sections on computing methodologies, information systems, security and privacy, network services.

Sentiment Analysis and Opinion Mining - Bing Liu 2012

Sentiment analysis and opinion mining is the field of study that analyzes people's opinions, sentiments, evaluations, attitudes, and emotions from written language. It is one of the most active research areas in natural language processing and is also widely studied in data mining, Web mining, and text mining. In fact, this research has spread outside of computer science to the management sciences and social sciences due to its importance to business and society as a whole. The growing importance of sentiment analysis coincides with the growth of social media such as reviews, forum discussions, blogs, micro-blogs, Twitter, and social networks. For the first time in human history, we now have a huge volume of opinionated data recorded in digital form for analysis. Sentiment analysis systems are being applied in almost every business and social domain because opinions are central to almost all human activities and are key influencers of our behaviors. Our beliefs and perceptions of reality, and the choices we make, are largely conditioned on how others see and evaluate the world. For this reason, when we need to make a decision we often seek out the opinions of others. This is true not only for individuals but also for organizations. This book is a comprehensive introductory and survey text. It covers all important topics and the latest developments in the field with over 400 references. It is suitable for students, researchers and practitioners who are interested in social media analysis in general and sentiment analysis in particular. Lecturers can readily use it in class for courses on natural language processing, social media analysis, text mining, and data mining. Lecture slides are also available online. Table of Contents: Preface / Sentiment Analysis: A Fascinating Problem / The Problem of Sentiment Analysis / Document Sentiment Classification / Sentence Subjectivity and Sentiment Classification / Aspect-Based Sentiment Analysis / Sentiment Lexicon Generation / Opinion Summarization / Analysis of Comparative Opinions / Opinion Search and Retrieval / Opinion Spam Detection / Quality of Reviews / Concluding Remarks / Bibliography / Author Biography

Programmer's Motivation for Beginners - Rajaraman Raghuraman 2013-09-27

Usually they teach programming concepts and specific programming languages like C, C++, C#, JAVA, Ruby, PHP, etc. for beginners. But they don't teach stuff that really matters in the long term, they don't prepare you on your journey to become a Great Programmer, they don't teach you the attitude that is required to become great in your craft. This E-book is a compilation of some of the author's blog posts & advice containing some useful piece of practical information to beginner programmers. The content in this book is programming language agnostic - Same principles can be applied to all programming languages.

Java The Complete Reference, 8th Edition - Herbert Schildt 2011-06-22

The Definitive Java Programming Guide In Java: The Complete Reference, Eighth Edition, bestselling programming author Herb Schildt shows you everything you need to develop, compile, debug, and run Java programs. Updated for Java Platform, Standard Edition 7 (Java SE 7), this comprehensive volume covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key elements of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. In addition, new Java SE 7 features such as try-with-resources, strings in switch, type inference with the diamond operator, NIO.2, and the Fork/Join Framework are discussed in detail. Coverage includes: Data types and operators Control statements Classes and objects Constructors and methods Method overloading and

overriding Interfaces and packages Inheritance Exception handling
Generics Autoboxing Enumerations Annotations The try-with-resources
statement Varargs Multithreading The I/O classes Networking The
Collections Framework Applets and servlets JavaBeans AWT and Swing
The Concurrent API Much, much more

Nine Algorithms That Changed the Future John MacCormick
2020-09-15

Nine revolutionary algorithms that power our computers and
smartphones Every day, we use our computers to perform remarkable
feats. A simple web search picks out a handful of relevant needles from
the world's biggest haystack. Uploading a photo to Facebook transmits
millions of pieces of information over numerous error-prone network
links, yet somehow a perfect copy of the photo arrives intact. Without
even knowing it, we use public-key cryptography to transmit secret

information like credit card numbers, and we use digital signatures to
verify the identity of the websites we visit. How do our computers
perform these tasks with such ease? John MacCormick answers this
question in language anyone can understand, using vivid examples to
explain the fundamental tricks behind nine computer algorithms that
power our PCs, tablets, and smartphones.

Advanced Java Programming - Uttam Kumar Roy 2015-07-09
Advanced Java Programming is a textbook specially designed for
undergraduate and postgraduate students of Computer Science,
Information Technology, and Computer Applications
(BE/BTech/BCA/ME/M.Tech/MCA). Divided into three parts, the book
provides an exhaustive coverage of topics taught in advanced Java and
other related subjects.