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MATLAB and Simulink In-Depth Aug 16 2022 Model-based Development: Beginner's Approach KEY FEATURES ? Includes numerous practical examples and troubleshooting hints on using Simulink ? An extensive development guide on MATLAB, Simulink, and Stateflow principles. ? Effective instructions for passing MATLAB modeling interviews and examinations DESCRIPTION MATLAB and Simulink In-Depth' is a thorough introduction to MATLAB, Simulink, and Stateflow principles. It establishes a solid foundation for methodologies commonly employed in model-based development. The book demonstrates how readers can perform algorithm construction and assessment faster than ever. The book covers most contemporary issues with real-world examples. The book begins with MATLAB experience by configuring the system environment. Then, it will help readers to get acquainted with MATLAB's history and key features. The book helps in getting familiar with the desktop user interface and fundamental instructions of MATLAB, as well as data visualization. It helps to investigate Simulink's core features, configuration settings, and libraries. It explains the step-

by-step process to design and simulate a basic Simulink model. It also helps to investigate advanced modeling techniques, including custom libraries, model referencing, and subsystems. In addition, the book explains the construction of test environments and model simulation. It explores Stateflow topics such as flow graphs, hierarchical models, conditions, actions, and transitions.

WHAT YOU WILL LEARN ? Work with MATLAB syntax, commands, functions, and libraries and with the user interface and visualization. ? Create fundamental models, configure model parameters, and utilize libraries. ? Perform model referencing, simulation, visualization and debugging with Simulink. ? Familiarize yourself with Stateflow, flow graph, Statechart, truth table, including states, actions, transitions and junctions. ? Implement the hierarchical state model, perform event-based execution, parsing, and debugging operations.

WHO THIS BOOK IS FOR
This book has been prepared keeping in mind the needs of students, teachers, researchers, professionals as well as technology enthusiasts. This book has been written primarily for beginners to help them realize the essential principles and capabilities of MATLAB, Simulink, and Stateflow. After reading this book, the reader will have a solid

foundation of Model-based design and Simulation. Having basic programming skills will make the learning process more efficient and fun. TABLE OF CONTENTS Section I: MATLAB 1. Introduction to MATLAB 2. MATLAB Desktop Interface 3. MATLAB Basics 4. Programming basics, Control Flow and Visualization Section II: Simulink 5. Introduction to Simulink 6. Simulink Editor with Environment 7. Library Browser Overview 8. Configuration Parameter Settings 9. Advanced Modelling Techniques- I 10. Advanced Modelling Techniques- II Section III: Stateflow 11. Getting started with Stateflow 12. Flow Graph 13. Statechart and Hierarchical State Model 14. Event-Based Execution 15. Stateflow Parsing and Debugging

Thinking in Java Sep 17 2022 Provides link to sites where book in zip file can be downloaded.

Computerworld Aug 24 2020 For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Macromedia Coldfusion MX Web Application Construction Kit Jun 02 2021 This is an all-in-one kit that gives readers everything they

need to create Web-based applications--including the latest version of the ColdFusion Web Application Server and development environment. This is the book that has taught thousands of developers all they need to know about ColdFusion.

Bioinformatics, Medical Informatics and the Law Jun 14 2022 In recent years the field of bioinformatics has emerged from the university research laboratory and entered the mainstream healthcare establishment. During this time there has been a rapid increase of legal developments affecting this dynamic field, from Supreme Court decisions radically altering the patentability of informatics inventions to major developments in privacy law both in Europe and the U.S. This edited book strives to offer the reader insight into some of the major legal trends and considerations applicable to these fields today.

RESS Essentials Jul 23 2020 This is a step-by-step, practical guide which will introduce you to RESS and its key features. This book is aimed primarily at web developers interested in writing applications that leverage both client- and server-side code to optimise content for various devices.

Java Oct 06 2021 Best-selling author, Walter Savitch, uses a conversational style to teach

professionals key programming techniques with Java; which is why the previous edition of this book was one of the most widely used professional/reference Java books. Savitch not only shows how to use object-oriented programming to write great Java code he also includes testing and debugging techniques, as well as practical suggestions on program style, and how to use inheritance, and exception handling features. This edition has been redesigned in a gorgeous, usable, full four-color presentation and also includes thorough coverage of the latest Java 2 Swing libraries and event driven programming. The Java coverage is a concise, accessible introduction that covers all key language features. Thorough early coverage of objects is included, with an emphasis on applications over applets. The author includes a highly flexible format that allows professionals to use the book as a reference and read topics in their preferred order. Although the book does cover such more advanced topics as inheritance, exception handling, and the Swing libraries, it starts from the beginning. The volume provides thorough coverage of Java objects, primitive types, strings, and interactive I/O, flow of control, defining classes and methods, arrays, inheritance, exception handling, streams and file I/O,

recursion, window interfaces using swing objects, and applets and HTML. For Programmers or any professional who wants to learn Java from one of the field's most readable and accessible authors.

How to Think Like a Computer Scientist Jul 15 2022 How to Think Like a Computer Scientist - JAVA Version 4.1. (2008 Edition) * Published under the terms of the GNU Free Documentation License. Money raised from the sale of this book supports the development of free software and documentation.

Think Java Feb 22 2023 Currently used at many colleges, universities, and high schools, this hands-on introduction to computer science is ideal for people with little or no programming experience. The goal of this concise book is not just to teach you Java, but to help you think like a computer scientist. You'll learn how to program—a useful skill by itself—but you'll also discover how to use programming as a means to an end. Authors Allen Downey and Chris Mayfield start with the most basic concepts and gradually move into topics that are more complex, such as recursion and object-oriented programming. Each brief chapter covers the material for one week of a college course and includes exercises to help you practice what you've learned. Learn one concept at a time: tackle complex topics in a

series of small steps with examples Understand how to formulate problems, think creatively about solutions, and write programs clearly and accurately Determine which development techniques work best for you, and practice the important skill of debugging Learn relationships among input and output, decisions and loops, classes and methods, strings and arrays Work on exercises involving word games, graphics, puzzles, and playing cards

InfoWorld Jul 03 2021 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Sams Teach Yourself Beginning Programming in 24 Hours Jan 09 2022 "Sams Teach Yourself Beginning Programming in 24 Hours, Second Edition" explains the basics of programming in the successful 24-Hours format. The book begins with the absolute basics of programming: Why program? What tools to use? How does a program tell the computer what to do? It teaches readers how to program the computer and then moves on by exploring the some most popular programming languages in use. The author starts by introducing the reader to the Basic language and finishes with basic programming techniques for Java, C++,

and others.

Spring Microservices in Action, Second Edition Oct 18 2022 By dividing large applications into separate self-contained units, Microservices are a great step toward reducing complexity and increasing flexibility. *Spring Microservices in Action, Second Edition* teaches you how to build microservice-based applications using Java and the Spring platform. This second edition is fully updated for the latest version of Spring, with expanded coverage of API routing with Spring Cloud Gateway, logging with the ELK stack, metrics with Prometheus and Grafana, security with the Hashicorp Vault, and modern deployment practices with Kubernetes and Istio. about the technology Microservices break up your code into independent interconnected services that require careful forethought and design. Fortunately, Spring Boot, Spring Cloud, and Spring Cloud Gateway simplify the tedious plumbing and infrastructure setup required for microservice applications. Spring Boot removes the boilerplate code involved with writing a REST-based service. Spring Cloud provides a suite of tools for the discovery, routing, and deployment of microservices to the enterprise and the cloud. Spring Cloud Gateway provides a clear and effective routing to APIs, with a

single entry point into a system. Together, they make it a snap to spin up Spring applications as microservices and wire them together into a reliable, scalable system.

about the book Fully updated and upgraded for the latest version of Spring, Spring Microservices in Action, Second Edition is an expanded revision of a Manning bestseller. In it, you'll learn how to build microservice-based applications using Java and the Spring platform and how to efficiently monitor and log your microservices operations. Throughout the book, carefully selected real-life examples expose microservice-based patterns for configuring, routing, scaling, and deploying your services. You'll see how Spring's intuitive tooling can help augment and refactor existing applications with microservices and how Spring Cloud Gateway makes it easy to handle multiple APIs with a single tool. You'll also pick up best practices for using Spring with modern deployment platforms based on Kubernetes and Istio. what's inside Core microservice design principles Microservices best practices Using docker containers to run microservices Managing configuration with Spring Cloud Config and Hashicorp Vault for sensitive information Client-side resiliency with Hystrix, and Ribbon Managing application

metrics with Prometheus and Grafana
Intelligent routing using Spring Cloud Gateway
Distributed tracing with Spring Cloud Sleuth,
Zipkin and ELK Stack Deploying Spring Cloud
applications with Kubernetes and Istio about
the reader This book is written for developers
with Java and Spring experience. about the
authors John Carnell is a senior cloud
engineer with twenty years of experience in
Java. Illary Huaylupo Sánchez is a software
engineer with an MBA in IT management and over
twelve years of experience in Java.

*Implementing an IBM InfoSphere BigInsights
Cluster using Linux on Power* Nov 26 2020 This
IBM® Redbooks® publication demonstrates and
documents how to implement and manage an IBM
PowerLinux™ cluster for big data focusing on
hardware management, operating systems
provisioning, application provisioning,
cluster readiness check, hardware, operating
system, IBM InfoSphere® BigInsights™, IBM
Platform Symphony®, IBM Spectrum™ Scale
(formerly IBM GPFSTM), applications
monitoring, and performance tuning. This
publication shows that IBM PowerLinux
clustering solutions (hardware and software)
deliver significant value to clients that need
cost-effective, highly scalable, and robust
solutions for big data and analytics
workloads. This book documents and addresses

topics on how to use IBM Platform Cluster Manager to manage PowerLinux BigData data clusters through IBM InfoSphere BigInsights, Spectrum Scale, and Platform Symphony. This book documents how to set up and manage a big data cluster on PowerLinux servers to customize application and programming solutions, and to tune applications to use IBM hardware architectures. This document uses the architectural technologies and the software solutions that are available from IBM to help solve challenging technical and business problems. This book is targeted at technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) that are responsible for delivering cost-effective Linux on IBM Power Systems™ solutions that help uncover insights among client's data so they can act to optimize business results, product development, and scientific discoveries.

Mastering Enterprise JavaBeans Dec 28 2020
Includes more than 30 percent revised material and five new chapters, covering the new 2.1 features such as EJB Timer Service and JMS as well as the latest open source Java solutions
The book was developed as part of TheServerSide.com online EJB community, ensuring a built-in audience
Demonstrates how to build an EJB system, program with EJB,

adopt best practices, and harness advanced EJB concepts and techniques, including transactions, persistence, clustering, integration, and performance optimization Offers practical guidance on when not to use EJB and how to use simpler, less costly open source technologies in place of or in conjunction with EJB

Java For Dummies Quick Reference Nov 14 2019 A reference that answers your questions as you move through your coding The demand for Android programming and web apps continues to grow at an unprecedented pace and Java is the preferred language for both. Java For Dummies Quick Reference keeps you moving through your coding while you solve a problem, look up a command or syntax, or search for a programming tip. Whether you're a Java newbie or a seasoned user, this fast reference offers you quick access to solutions without requiring that you wade through pages of tutorial material. Leverages the true reference format that is organized with quick answers and solutions so you can read less and do more Offers new elements such as a syntax guide, command guide, special generics and annotation section, and programming tips Boasts a new, compact trim size that easily goes where you go for convenient referencing Java For Dummies Quick Reference helps you move quickly and

efficiently through Java without missing a beat!

Professional Apache Tomcat 5 Sep 05 2021 The Apache Tomcat server and related technologies give Java™ developers a rich set of tools to quickly build more sophisticated Web applications. Tomcat version 5 supports the latest JSP™ and Servlet specifications, JSP 2.0, and Servlets 2.4. This completely updated volume offers you a thorough education in Tomcat 5 as well as 4.1. You will learn to solve the problems that arise with installation and configuration, security, system testing, and more. This edition also introduces you to Tomcat clustering for planning and deploying installations in mission-critical production environments, and explores the new support for Tomcat in popular IDEs such as IntelliJ IDEA, Eclipse, NetBeans™/Sun Java Studio, and JBuilder. You'll discover how to manage class loaders and Connectors, understand how to use IIS as a Web server front-end for Tomcat, examine JDBC-related issues in Tomcat, and be ready to put this technology to work. What you will learn from this book Techniques and troubleshooting tips for installing JVM™ and Tomcat on Windows® and UNIX®/Linux® systems Detailed Tomcat configuration, such as Access log administration, Single Sign-on across Web

applications, request filtering, the Persistent Session Manager, and JavaMail™ session setup How to resolve JDBC connectivity issues, including connection pooling, JNDI emulation, configuring a data source, and alternative JDBC™ configurations How to use Web servers like Apache and IIS with Tomcat to serve static content A wide range of security issues, from securing Tomcat installations to configuring security policies for Web applications that run on them How to configure Tomcat for virtual hosting environments Procedures for load-testing Web applications deployed in Tomcat using the open source JMeter framework How to set up Tomcat clustering to provide scalability and high availability to Web applications How to embed Tomcat within custom applications Who is this book for? This book is for J2EE™ system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all

designed to help programmers do a better job.

Java All-In-One Desk Reference For Dummies

May 01 2021 Eight minibooks comprising nearly 900 pages give developers the tips and techniques they need to get up and running on the new J2SE 6 (Java Standard Edition 6) and JDK 6 (Java Development Kit 6) This friendly, all-inclusive reference delivers the lowdown on Java language and syntax fundamentals as well as Java server-side programming, with explanations, reference information, and how-to instructions for both beginning and intermediate-to-advanced programmers Minibooks cover Java basics; programming basics; strings, arrays, and collections; programming techniques; Swing; Web programming; files and databases; and fun and games

Web Services Jun 21 2020 bull; bull;Written by the author who Enterprise Systems Journal noted for her uncanny ability to apply technology to create new solutions. bull;Helps identify scenarios and applications where Web services can provide the best ROI for your company bull;Foreword by Brown and Hagel, bestselling Web services authors of "Out of the Box"

J2EE Security for Servlets, EJBs and Web Services Apr 12 2022 - Explains security concepts in simple terms and relates these to standards, Java APIs, software products and

day-to-day job activities of programmers. -
Written by a practitioner who participated in
the development of a J2EE App Server and Web
Services Platform at HP. - Applied security
measures demonstrated on Java APIs - a unique
feature of the book.

Pattern and Data Analysis in Healthcare
Settings Feb 16 2020 Business and medical
professionals rely on large data sets to
identify trends or other knowledge that can be
gleaned from the collection of it. New
technologies concentrate on data's management,
but do not facilitate users' extraction of
meaningful outcomes. Pattern and Data Analysis
in Healthcare Settings investigates the
approaches to shift computing from analysis on-
demand to knowledge on-demand. By providing
innovative tactics to apply data and pattern
analysis, these practices are optimized into
pragmatic sources of knowledge for healthcare
professionals. This publication is an
exhaustive source for policy makers,
developers, business professionals, healthcare
providers, and graduate students concerned
with data retrieval and analysis.

Licensing Update 2017 Edition Dec 20 2022
Licensing Update 2017 is the definitive one-
volume handbook covering the year's most
significant cases and developments in
licensing. It identifies critical trends that

licensing professionals and practitioners must understand thoroughly in this rapidly evolving area. Up-to-date, incisive, analytical, and essential, this valuable manual helps you keep up with the explosive pace of licensing with guidance from licensing experts in their area of specialty. You'll find in-depth insights and valuable analysis on recent developments and important trends of licensing issues from leading practitioners who are experts in their field. Licensing Update 2017 is organized as a handy "quick reference" to help you save time in structuring stronger agreements to protect your licensing interest. You'll get extensive coverage of developments in audit and accounting practices, tax considerations, antitrust concerns and many of the bottom-line issues that you need to address to ensure day-to-day profitability of your license agreements.

Quantitative Analyses in Wildlife Science Aug 04 2021 An authoritative guide to quantitative methods that will help wildlife scientists improve analysis and decision-making. Over the past fifty years, wildlife science has become increasingly quantitative. But to wildlife scientists, many of whom have not been formally trained as biometricians, computer modelers, or mathematicians, the wide array of available techniques for analyzing wildlife

populations and habitats can be overwhelming. This practical book aims to help students and professionals alike understand how to use quantitative methods to inform their work in the field. Covering the most widely used contemporary approaches to the analysis of wildlife populations and habitats, *Quantitative Analyses in Wildlife Science* is divided into five broad areas: • general statistical methods • demographic estimation • dynamic process modeling • analysis of spatially based data on animals and resources • numerical methods

Addressing a variety of topics, from population estimation and growth trend predictions to the study of migration patterns, this book presents fresh data on such pressing issues as sustainable take, control of invasives, and species reintroduction. Authored by leading researchers in wildlife science, each chapter considers the structure of data in relation to a particular analytical technique, as well as the structure of variation in those data. Providing conceptual and quantitative overviews of modern analytical methods, the techniques covered in this book also apply to conservation research and wildlife policy. Whether a quick refresher or a comprehensive introduction is called for, *Quantitative Analyses in Wildlife Science* is an

indispensable addition to every wildlife professional's bookshelf. Contributors: William M. Block, Leonard A. Brennan, Stephen T. Buckland, Christopher C. Chizinski, Evan C. Cooch, Raymond J. Davis, Stephen J. DeMaso, Randy W. DeYoung, Jane Elith, Joseph J. Fontane, Julie A. Heinrichs, Mevin B. Hooten, Julianna M. A. Jenkins, Zachary S. Laden, Damon B. Lesmeister, Daniel Linden, Jeffrey J. Lusk, Bruce G. Marcot, David L. Miller, Michael L. Morrison, Eric Rexstad, Jamie S. Sanderlin, Joseph P. Sands, Erica F. Stuber, Chris Sutherland, Andrew N. Tri, David B. Wester, Gary C. White, Christopher K. Williams, Damon L. Williford

Oracle Business Intelligence Enterprise Edition 12c Mar 31 2021 A comprehensive guide from Oracle experts, that will act as your single point of reference for building an Oracle BI 12c system that turns data in actionable insight. About This Book Come, start your first Oracle Business intelligence system and excel in BI with this exhaustive guide An all-encompassing guide for your Oracle business intelligence needs Learn from the self-paced professional guidance and implement Oracle business intelligence using this easy-to-follow guide by our experts Who This Book Is For If your job includes working on data, improving the financial or

operational performance of your organization or you are a consultant for the above, then this book is for you. If you have been placed on a business intelligence project, then this book is for you. If you are the Project Manager, Business Analyst or Data Scientist then this book is for you. If you are an end user of Oracle Business Intelligence, then this book is for you too. Having a basic understanding of databases and the use of Business Intelligence is expected, but no knowledge of Oracle BI is required. What You Will Learn Install OBIEE in Windows, including how to create the underlying Weblogic Application server and the required database Build the BI system repository, the vital engine connecting your data to the front end of Oracle BI Develop effective analysis, draw out meaning from the data, and present it to end users on interactive dashboards Build pixel-perfect, printable reports using the embedded BI Publisher feature Build agents for actionable insight and enable your users to act on Business Intelligence at their desktop or on the move Understand the various aspects of securing the Oracle BI system, from data restrictions to whole dashboard access rights Get acquainted with the system management tools and methods available for the continuous improvement of your system In Detail Oracle

Business Intelligence Enterprise Edition (OBIEE) 12c is packed full of features and has a fresh approach to information presentation, system management, and security. OBIEE can help any organization to understand its data, to make useful information from data, and to ensure decision-making is supported by facts. OBIEE can focus on information that needs action, alerting users when conditions are met. OBIEE can be used for data analysis, form production, dashboarding, and workflow processes. We will introduce you to OBIEE features and provide a step-by-step guide to build a complete system from scratch. With this guide, you will be equipped with a good basic understanding of what the product contains, how to install and configure it, and how to create effective Business Intelligence. This book contains the necessary information for a beginner to create a high-performance OBIEE 12c system. This book is also a guide that explains how to use an existing OBIEE 12c system, and shows end users how to create.

Style and approach This book will take you from one feature to another in a step-by-step manner and will teach how you can create effective business intelligence using Oracle Business Intelligence Enterprise Edition. You will be taught how to create BI solutions and dashboards from scratch. There will be

multiple modules in the book, each module spread in chapters, that will cover one aspect of business intelligence in a systematic manner.

Eloquent JavaScript Oct 26 2020 Provides information and examples on writing JavaScript code, covering such topics as syntax, control, data, regular expressions, and scripting.

The Berkeley DB Book Sep 24 2020 The Berkeley DB Book is intended to be a practical guide to the intricacies of Berkeley DB; an in-depth analysis of the complex design issues which are often covered in terse footnotes in the dense Berkeley DB reference manual. It explains the technology at a higher level and also covers the internals with generous code and design examples. Berkeley DB is becoming the database of choice for appliance makers and for in memory cache of large scale applications like search engines and high traffic web sites.

Objects First with Java Dec 16 2019 This introductory programming textbook integrates BlueJ with Java. It provides a thorough treatment of object-oriented principles.

Weblogic Server 6.1 Workbook for Enterprise Java Beans Mar 11 2022 Although EJB applications themselves are portable, the manner in which developers install and run EJB products varies widely from one vendor to the

next. The goal of this WebLogic workbook is to discuss vendor specific requirements and best practices and introduce tools like the WebLogic Administration Console, all in the context of building and running the example programs for O'Reilly's Enterprise JavaBeans, 3rd edition. The Workbook guides you step-by-step, explaining how to build and deploy working solutions in a particular application server, and provides useful hints, tips and warnings. This WebLogic 6.1 Workbook was originally published by Enterprise JavaBeans author Richard Monson-Haefel's Titan Books publishing company. O'Reilly thought so highly of it, we bought the rights to publish it ourselves, in order to give more developers access to this critical information.

Google and the Law Feb 10 2022 Google's has proved to be one of the most successful business models in today's knowledge economy. Its services and applications have become part of our day-to-day life. However, Google has repeatedly been accused of acting outside the law in the development of services such as Adwords, Googlebooks or YouTube. One of the main purposes of this book is to assess whether those accusations are well-founded. But more important than that, this book provides a deeper reflection: are current legal systems adapted to business models such

as that of Google or are they conceived for an industrial economy? Do the various lawsuits involving Google show an evolution of the existing legal framework that might favour the flourishing of other knowledge-economy businesses? Or do they simply reflect that Google has gone too far? What lessons can other knowledge-based businesses learn from all the disputes in which Google has been or is involved? This book is valuable reading for legal practitioners and academics in the field of information technologies and intellectual property law, economists interested in knowledge-economy business models and sociologists interested in internet and social networks. Dr. Aurelio Lopez-Tarruella is Senior Lecturer in Private International Law at the University of Alicante, Spain.

Effective and Efficient Process Engine
Evaluation Jan 29 2021

Licensing Update 2020 Edition Jan 21 2023 The Licensing Update covers the year's most significant cases and developments in licensing. The annual update identifies critical trends that licensing professionals and practitioners must understand thoroughly in this rapidly evolving area and provides guidance from licensing experts in a variety of areas of specialty. Highlights of the 2020 Edition include fully updated chapters

chapters in all of the major licensing topic areas: Updated listing of the top 150 licensors for 2020. See § 1.02. A new section discussing licensee standing to sue and jurisdiction over a licensor. See § 2.04. A completely updated section examining the year in review concerning copyright licensing. See § 3.02. A total rework of the patent licensing chapter to include such topics as: licensing of standard essential patents; controlling where patents are challenged; how explicit language is needed on whether sublicenses survive termination of the primary license; and patent licensing language interpretation. See Chapter 4. In international licensing issues, a critical look at jurisdictions such as Russia, Canada, and the European Union. See Chapter 7. New sections discussing trends in licensing, especially with respect to blockchain and IP enforcement. See Chapter 9. The bankruptcy chapter has been completely rewritten to discuss the Mission Products case. See Chapter 11. Note: Online subscriptions are for three-month periods. Previous Edition: Licensing Update 2019, ISBN 9781543811322;

Java, Java, Java Nov 07 2021 Functional and flexible, this guide takes an objects-first approach to Java programming and problem using games and puzzles. Updated to cover Java

version 1.5 features, such as generic types, enumerated types, and the Scanner class. Offers independent introductions to both a command-line interface and a graphical user interface (GUI). Features coverage of Unified Modeling Language (UML), the industry-standard, object-oriented design tool. Illustrates key aspects of Java with a collection of game and puzzle examples. Instructor and Student resources available online. For introductory computer programming students or professionals interested in learning Java.

Introduction to Programming Using Java May 21 2020 This is a free, on-line textbook on introductory programming using Java. This book is directed mainly towards beginning programmers, although it might also be useful for experienced programmers who want to learn more about Java. It is an introductory text and does not provide complete coverage of the Java language. The text is a PDF and is suitable for printing or on-screen reading. It contains internal links for navigation and external links to source code files, exercise solutions, and other resources. Contents: 1) Overview: The Mental Landscape. 2) Programming in the Small I: Names and Things. 3) Programming in the Small II: Control. 4) Programming in the Large I: Subroutines. 5)

Programming in the Large II: Objects and Classes. 6) Introduction to GUI Programming. 7) Arrays. 8) Correctness and Robustness. 9) Linked Data Structures and Recursion. 10) Generic Programming and Collection Classes. 11) Files and Networking. 12) Advanced GUI Programming. Appendices: Source Code for All Examples in this Book, and News and Errata.

Beginning Fedora Feb 27 2021 Beginning Fedora: From Novice to Professional guides you through the tasks most new Linux users desire to perform while explaining potentially confusing concepts along the way. It provides an illustrated, step-by-step guide to Fedora installation and hardware configuration. You'll also learn how to install it alongside Windows, allowing you to switch between the operating systems at will. The book eases the transition from the Windows to the Linux desktop by focusing on key everyday tasks such as file management, peripheral configuration, MP3/video playback, and office tasks.

Recent Trends in Control and Sensor Systems in Emergency Management Mar 19 2020 This book presents recent research advances on achieving seamless interoperability across all layers of communication channels in the context of emergency management and crisis response. It includes the outcomes of intensive discussions during the Workshop "Command, Control and

Sensor Systems in Emergency Management” (EU C2-SENSE), which was held in Milan (Italy) from 4 to 6 July 2017. Major topics covered include analyses and practical guidelines for the development of physical and sensor layers; data analysis, visualization and management; and system integration. Moreover, certification guidelines and organizational interoperability issues are addressed. The book offers a valuable resource, both in the form of hands-on guidelines for the effective implementation of novel solutions in information technologies (IT) for civil protection applications, and as a basis for further research.

Self-study Guide to Analysis and Design of Information Systems May 13 2022

Elasticsearch 5.x Cookbook Jan 17 2020 Over 170 advanced recipes to search, analyze, deploy, manage, and monitor data effectively with Elasticsearch 5.x About This Book Deploy and manage simple Elasticsearch nodes as well as complex cluster topologies Write native plugins to extend the functionalities of Elasticsearch 5.x to boost your business Packed with clear, step-by-step recipes to walk you through the capabilities of Elasticsearch 5.x Who This Book Is For If you are a developer who wants to get the most out of Elasticsearch for advanced search and

analytics, this is the book for you. Some understanding of JSON is expected. If you want to extend Elasticsearch, understanding of Java and related technologies is also required.

What You Will Learn

- Choose the best Elasticsearch cloud topology to deploy and power it up with external plugins
- Develop tailored mapping to take full control of index steps
- Build complex queries through managing indices and documents
- Optimize search results through executing analytics aggregations
- Monitor the performance of the cluster and nodes
- Install Kibana to monitor cluster and extend Kibana for plugins
- Integrate Elasticsearch in Java, Scala, Python and Big Data applications

In Detail Elasticsearch is a Lucene-based distributed search server that allows users to index and search unstructured content with petabytes of data. This book is your one-stop guide to master the complete Elasticsearch ecosystem. We'll guide you through comprehensive recipes on what's new in Elasticsearch 5.x, showing you how to create complex queries and analytics, and perform index mapping, aggregation, and scripting. Further on, you will explore the modules of Cluster and Node monitoring and see ways to back up and restore a snapshot of an index. You will understand how to install Kibana to monitor a cluster and also to extend Kibana

for plugins. Finally, you will also see how you can integrate your Java, Scala, Python, and Big Data applications such as Apache Spark and Pig with Elasticsearch, and add enhanced functionalities with custom plugins. By the end of this book, you will have an in-depth knowledge of the implementation of the Elasticsearch architecture and will be able to manage data efficiently and effectively with Elasticsearch. Style and approach This book follows a problem-solution approach to effectively use and manage Elasticsearch. Each recipe focuses on a particular task at hand, and is explained in a very simple, easy to understand manner.

Thinking Spatially Using GIS Nov 19 2022
Early exposure to geography, spatial thinking, and geographic information systems (GIS) helps students gain an understanding of the world around them. This work helps students improve their basic map-reading skills and extend those skills by analyzing and thinking critically about the data. Thinking Spatially Using GIS contains teacher materials, lesson plans, a resource CD with exercises, and ArcExplorer Java Edition for Education software.

InfoWorld Dec 08 2021 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers.

InfoWorld also celebrates people, companies, and projects.

Understanding Open Source and Free Software Licensing Oct 14 2019 If you've held back from developing open source or free software projects because you don't understand the implications of the various licenses, you're not alone. Many developers believe in releasing their software freely, but have hesitated to do so because they're concerned about losing control over their software. Licensing issues are complicated, and both the facts and fallacies you hear word-of-mouth can add to the confusion. *Understanding Open Source and Free Software Licensing* helps you make sense of the different options available to you. This concise guide focuses on annotated licenses, offering an in-depth explanation of how they compare and interoperate, and how license choices affect project possibilities. Written in clear language that you don't have to be a lawyer to understand, the book answers such questions as: What rights am I giving up? How will my use of OS/FS licensing affect future users or future developers? Does a particular use of this software--such as combining it with proprietary software--leave me vulnerable to lawsuits? Following a quick look at copyright law, contracts, and the definition of "open source," the book tackles

the spectrum of licensing, including: The MIT (or X), BSD, Apache and Academic Free licenses The GPL, LGPL, and Mozilla licenses The QT, Artistic, and Creative Commons licenses Classic Proprietary licenses Sun Community Source license and Microsoft Shared Source project The book wraps up with a look at the legal effects--both positive and negative--of open source/free software licensing. Licensing is a major part of what open source and free software are all about, but it's still one of the most complicated areas of law. Even the very simple licenses are tricky. Understanding Open Source and Free Software Licensing bridges the gap between the open source vision and the practical implications of its legal underpinnings. If open source and free software licenses interest you, this book will help you understand them. If you're an open source/free software developer, this book is an absolute necessity.

Killer Game Programming in Java Apr 19 2020 Although the number of commercial Java games is still small compared to those written in C or C++, the market is expanding rapidly. Recent updates to Java make it faster and easier to create powerful gaming applications--particularly Java 3D--is fueling an explosive growth in Java games. Java games like Puzzle Pirates, Chrome, Star Wars Galaxies,

Runescape, Alien Flux, Kingdom of Wars, Law and Order II, Roboforge, Tom Clancy's Politika, and scores of others have earned awards and become bestsellers. Java developers new to graphics and game programming, as well as game developers new to Java 3D, will find Killer Game Programming in Java invaluable. This new book is a practical introduction to the latest Java graphics and game programming technologies and techniques. It is the first book to thoroughly cover Java's 3D capabilities for all types of graphics and game development projects. Killer Game Programming in Java is a comprehensive guide to everything you need to know to program cool, testosterone-drenched Java games. It will give you reusable techniques to create everything from fast, full-screen action games to multiplayer 3D games. In addition to the most thorough coverage of Java 3D available, Killer Game Programming in Java also clearly details the older, better-known 2D APIs, 3D sprites, animated 3D sprites, first-person shooter programming, sound, fractals, and networked games. Killer Game Programming in Java is a must-have for anyone who wants to create adrenaline-fueled games in Java.

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