

S Understanding Java Virtual Machine Sachin Seth Pdf

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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.

Emerging Research in Data Engineering Systems and Computer Communications - P. Venkata Krishna 2020-02-10

This book gathers selected papers presented at the 2nd International Conference on Computing, Communications and Data Engineering, held at Sri Padmavati Mahila Visvavidyalayam, Tirupati, India from 1 to 2 Feb 2019. Chiefly discussing major issues and challenges in data engineering

systems and computer communications, the topics covered include wireless systems and IoT, machine learning, optimization, control, statistics, and social computing.

The Psychology of Everyday Things - Donald A. Norman 1990-05-01

OBJECT-ORIENTED PROGRAMMING WITH C++ AND JAVA - DEBASIS SAMANTA 2006-01-01

This book is designed to introduce object-oriented programming (OOP) in C++ and Java, and is divided into four areas of coverage: Preliminaries: Explains the basic features of C, C++, and Java such as data types, operators, control structures, storage classes, and array structures. Part I : Covers classes, objects, data abstraction, function overloading, information hiding, memory management, inheritance, binding, polymorphism, class template using working illustrations based on simple concepts. Part II : Discusses all the paradigms of Java programming with ready-to-use programs. Part III : Contains eight Java packages with their full structures. The book offers straightforward explanations of the concepts of OOP and discusses the use of C++ and Java in OOP through small but effective illustrations. It is ideally suited for undergraduate/postgraduate courses in computer science. The IT professionals should also find the book useful.

Machine Learning Paradigm for Internet of Things Applications -

Shalli Rani 2022-03-02

MACHINE LEARNING PARADIGM FOR INTERNET OF THINGS

APPLICATIONS As companies globally realize the revolutionary potential of the IoT, they have started finding a number of obstacles they need to address to leverage it efficiently. Many businesses and industries use machine learning to exploit the IoT's potential and this book brings clarity to the issue. Machine learning (ML) is the key tool for fast processing and decision-making applied to smart city applications and next-generation IoT devices, which require ML to satisfy their working objective. Machine learning has become a common subject to all people like engineers, doctors, pharmacy companies, and business people. The book addresses the problem and new algorithms, their accuracy, and their fitness ratio for existing real-time problems. Machine Learning Paradigm for Internet of Thing Applications provides the state-of-the-art applications of machine learning in an IoT environment. The most common use cases for machine learning and IoT data are predictive maintenance, followed by analyzing CCTV surveillance, smart home applications, smart-healthcare, in-store 'contextualized marketing', and intelligent transportation systems. Readers will gain an insight into the integration of machine learning with IoT in these various application domains.

Mobile Application Penetration Testing - Vijay Kumar Velu 2016-03-11

Explore real-world threat scenarios, attacks on mobile applications, and ways to counter them About This Book Gain insights into the current threat landscape of mobile applications in particular Explore the different options that are available on mobile platforms and prevent circumventions made by attackers This is a step-by-step guide to setting up your own mobile penetration testing environment Who This Book Is For If you are a mobile application evangelist, mobile application developer, information security practitioner, penetration tester on infrastructure web applications, an application security professional, or someone who wants to learn mobile application security as a career, then this book is for you. This book will provide you with all the skills you

need to get started with Android and iOS pen-testing. What You Will Learn Gain an in-depth understanding of Android and iOS architecture and the latest changes Discover how to work with different tool suites to assess any application Develop different strategies and techniques to connect to a mobile device Create a foundation for mobile application security principles Grasp techniques to attack different components of an Android device and the different functionalities of an iOS device Get to know secure development strategies for both iOS and Android applications Gain an understanding of threat modeling mobile applications Get an in-depth understanding of both Android and iOS implementation vulnerabilities and how to provide counter-measures while developing a mobile app In Detail Mobile security has come a long way over the last few years. It has transitioned from "should it be done?" to "it must be done!" Alongside the growing number of devices and applications, there is also a growth in the volume of Personally identifiable information (PII), Financial Data, and much more. This data needs to be secured. This is why Pen-testing is so important to modern application developers. You need to know how to secure user data, and find vulnerabilities and loopholes in your application that might lead to security breaches. This book gives you the necessary skills to security test your mobile applications as a beginner, developer, or security practitioner. You'll start by discovering the internal components of an Android and an iOS application. Moving ahead, you'll understand the inter-process working of these applications. Then you'll set up a test environment for this application using various tools to identify the loopholes and vulnerabilities in the structure of the applications. Finally, after collecting all information about these security loop holes, we'll start securing our applications from these threats. Style and approach This is an easy-to-follow guide full of hands-on examples of real-world attack simulations. Each topic is explained in context with respect to testing, and for the more inquisitive, there are more details on the concepts and techniques used for different platforms.

Blockchain for Distributed Systems Security - Sachin S. Shetty

2019-03-05

AN ESSENTIAL GUIDE TO USING BLOCKCHAIN TO PROVIDE FLEXIBILITY, COST-SAVINGS, AND SECURITY TO DATA MANAGEMENT, DATA ANALYSIS, AND INFORMATION SHARING

Blockchain for Distributed Systems Security contains a description of the properties that underpin the formal foundations of Blockchain technologies and explores the practical issues for deployment in cloud and Internet of Things (IoT) platforms. The authors—noted experts in the field—present security and privacy issues that must be addressed for Blockchain technologies to be adopted for civilian and military domains. The book covers a range of topics including data provenance in cloud storage, secure IoT models, auditing architecture, and empirical validation of permissioned Blockchain platforms. The book's security and privacy analysis helps with an understanding of the basics of Blockchain and it explores the quantifying impact of the new attack surfaces introduced by Blockchain technologies and platforms. In addition, the book contains relevant and current updates on the topic. This important resource: Provides an overview of Blockchain-based secure data management and storage for cloud and IoT Covers cutting-edge research findings on topics including invariant-based supply chain protection, information sharing framework, and trust worthy information federation Addresses security and privacy concerns in Blockchain in key areas, such as preventing digital currency miners from launching attacks against mining pools, empirical analysis of the attack surface of Blockchain, and more Written for researchers and experts in computer science and engineering, Blockchain for Distributed Systems Security contains the most recent information and academic research to provide an understanding of the application of Blockchain technology.

Learning Java - Patrick Niemeyer 2002

A tutorial introducing Java basics covers programming principles, integrating applets with Web applications, and using threads, arrays, and sockets.

Learning Python by Building Games - Sachin Kafle 2019-10-11

Explore modern game development and programming techniques to build games using Python and its popular libraries such as Pygame and

PyOpenGL Key Features Learn game development and Python through a practical, example-driven approach Discover a variety of game development techniques to build games that gradually increase in complexity Leverage popular Python gaming libraries such as Pygame, PyOpenGL, Pymunk, and Pyglet Book Description A fun and interactive way to get started with the Python language and its libraries is by getting hands-on with game development. Learning Python by Building Games brings you the best of both worlds. The book will first introduce you to Python fundamentals, which you will then use to develop a basic game. You'll gradually explore the different Python libraries best suited for game development such as Pygame, Pyglet, and PyOpenGL. From building game characters through to using 3D animation techniques, you'll discover how to create an aesthetic game environment. In addition to this, you'll focus on game physics to give your effects a realistic feel, complete with movements and collisions. The book will also cover how you can use particle systems to simulate phenomena such as an explosion or smoke. In later chapters, you will gain insights into object-oriented programming by modifying a snake game, along with exploring GUI programming to build a user interface with Python's turtle module. By the end of this book, you'll be well-versed with Python programming concepts and popular libraries, and have the confidence to build your own games What you will learn Explore core Python concepts by understanding Python libraries Build your first 2D game using Python scripting Understand concepts such as decorators and properties in the Python ecosystem Create animations and movements by building a Flappy Bird-like game Design game objects and characters using Pygame, PyOpenGL, and Pymunk Add intelligence to your gameplay by incorporating game artificial intelligence (AI) techniques using Python Who this book is for If you are completely new to Python or game programming and want to develop your programming skills, then this book is for you. The book also acts as a refresher for those who already have experience of using Python and want to learn how to build exciting games.

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.

Designing Digital Computer Systems with Verilog - David J. Lilja
2004-12-02

This book serves both as an introduction to computer architecture and as a guide to using a hardware description language (HDL) to design, model

and simulate real digital systems. The book starts with an introduction to Verilog - the HDL chosen for the book since it is widely used in industry and straightforward to learn. Next, the instruction set architecture (ISA) for the simple VeSPA (Very Small Processor Architecture) processor is defined - this is a real working device that has been built and tested at the University of Minnesota by the authors. The VeSPA ISA is used throughout the remainder of the book to demonstrate how behavioural and structural models can be developed and intermingled in Verilog. Although Verilog is used throughout, the lessons learned will be equally applicable to other HDLs. Written for senior and graduate students, this book is also an ideal introduction to Verilog for practising engineers.

Soft Computing: Theories and Applications - Millie Pant 2020-02-24
The book focuses on soft computing and its applications to solve real-world problems in different domains, ranging from medicine and health care, to supply chain management, image processing and cryptanalysis. It includes high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2018), organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Offering significant insights into soft computing for teachers and researchers alike, the book inspires more researchers to work in the field of soft computing.

Kali Linux - An Ethical Hacker's Cookbook - Himanshu Sharma
2017-10-17

Over 120 recipes to perform advanced penetration testing with Kali Linux About This Book Practical recipes to conduct effective penetration testing using the powerful Kali Linux Leverage tools like Metasploit, Wireshark, Nmap, and many more to detect vulnerabilities with ease Confidently perform networking and application attacks using task-oriented recipes Who This Book Is For This book is aimed at IT security professionals, pentesters, and security analysts who have basic knowledge of Kali Linux and want to conduct advanced penetration testing techniques. What You Will Learn Installing, setting up and customizing Kali for pentesting on multiple platforms Pentesting routers and embedded devices Bug hunting 2017 Pwning and escalating through

corporate network Buffer overflows 101 Auditing wireless networks Fiddling around with software-defined radio Hacking on the run with NetHunter Writing good quality reports In Detail With the current rate of hacking, it is very important to pentest your environment in order to ensure advanced-level security. This book is packed with practical recipes that will quickly get you started with Kali Linux (version 2016.2) according to your needs, and move on to core functionalities. This book will start with the installation and configuration of Kali Linux so that you can perform your tests. You will learn how to plan attack strategies and perform web application exploitation using tools such as Burp, and Jexboss. You will also learn how to perform network exploitation using Metasploit, Sparta, and Wireshark. Next, you will perform wireless and password attacks using tools such as Patator, John the Ripper, and airoscript-ng. Lastly, you will learn how to create an optimum quality pentest report! By the end of this book, you will know how to conduct advanced penetration testing thanks to the book's crisp and task-oriented recipes. Style and approach This is a recipe-based book that allows you to venture into some of the most cutting-edge practices and techniques to perform penetration testing with Kali Linux.

WebSphere MQ Solutions in a Microsoft .NET Environment - 2004

Data Analytics and Management - Ashish Khanna 2021-01-04

This book includes original unpublished contributions presented at the International Conference on Data Analytics and Management (ICDAM 2020), held at Jan Wyzykowski University, Poland, during June 2020. The book covers the topics in data analytics, data management, big data, computational intelligence, and communication networks. The book presents innovative work by leading academics, researchers, and experts from industry which is useful for young researchers and students.

Soft Computing: Theories and Applications - Millie Pant 2020-06-29

This book focuses on soft computing and how it can be applied to solve real-world problems arising in various domains, ranging from medicine and healthcare, to supply chain management, image processing and cryptanalysis. It gathers high-quality papers presented at the

International Conference on Soft Computing: Theories and Applications (SoCTA 2019), organized by the National Institute of Technology Patna, India. Offering valuable insights into soft computing for teachers and researchers alike, the book will inspire further research in this dynamic field.

Java For Dummies - Barry A. Burd 2011-03-03

Start building powerful programs with Java 6—fast! Get an overview of Java 6 and begin building your own programs Even if you're new to Java programming—or to programming in general—you can get up and running on this wildly popular language in a hurry. This book makes it easy! From how to install and run Java to understanding classes and objects and juggling values with arrays and collections, you will get up to speed on the new features of Java 6 in no time. Discover how to Use object-oriented programming Work with the changes in Java 6 and JDK 6 Save time by reusing code Mix Java and Javascript with the new scripting tools Troubleshoot code problems and fix bugs All on the bonus CD-ROM Custom build of JCreator and all the code files used in the book Bonus chapters not included in the book Trial version of Jindent, WinOne, and NetCaptor freeware System Requirements: For details and complete system requirements, see the CD-ROM appendix. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Digital Electronics - Anil K. Maini 2007-09-27

The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems,

examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

Computational Intelligence in Healthcare 4 - Isabelle Bichindaritz
2010-09-08

Computational Intelligence is comparatively a new field but it has made a tremendous progress in virtually every discipline right from engineering, science, business, management, aviation to healthcare. Computational intelligence already has a solid track-record of applications to healthcare, of which this book is a continuation. We would like to refer the reader to the excellent previous volumes in this series on computational intelligence in healthcare [1-3]. This book is aimed at providing the most recent advances and state of the art in the practical applications of computational intelligence paradigms in healthcare. It includes nineteen chapters on using various computational intelligence methods in healthcare such as intelligent agents and case-based reasoning. A number of fielded applications and case studies are presented. Highlighted are in particular novel computational approaches to the semantic management of health information such as in the Web 2.0, mobile agents such as in portable devices, learning agents capable of adapting to diverse clinical settings through case-based reasoning, and statistical approaches in computational intelligence. This book is targeted towards scientists, application engineers, professors, health professionals, professors, and students. Background information on computational intelligence has been provided whenever necessary to facilitate the comprehension of a broad audience including healthcare

practitioners.

Hands-On Python Natural Language Processing - Aman Kedia
2020-06-26

Get well-versed with traditional as well as modern natural language processing concepts and techniques
Key Features
Perform various NLP tasks to build linguistic applications using Python libraries
Understand, analyze, and generate text to provide accurate results
Interpret human language using various NLP concepts, methodologies, and tools
Book Description
Natural Language Processing (NLP) is the subfield in computational linguistics that enables computers to understand, process, and analyze text. This book caters to the unmet demand for hands-on training of NLP concepts and provides exposure to real-world applications along with a solid theoretical grounding. This book starts by introducing you to the field of NLP and its applications, along with the modern Python libraries that you'll use to build your NLP-powered apps. With the help of practical examples, you'll learn how to build reasonably sophisticated NLP applications, and cover various methodologies and challenges in deploying NLP applications in the real world. You'll cover key NLP tasks such as text classification, semantic embedding, sentiment analysis, machine translation, and developing a chatbot using machine learning and deep learning techniques. The book will also help you discover how machine learning techniques play a vital role in making your linguistic apps smart. Every chapter is accompanied by examples of real-world applications to help you build impressive NLP applications of your own. By the end of this NLP book, you'll be able to work with language data, use machine learning to identify patterns in text, and get acquainted with the advancements in NLP. What you will learn
Understand how NLP powers modern applications
Explore key NLP techniques to build your natural language vocabulary
Transform text data into mathematical data structures and learn how to improve text mining models
Discover how various neural network architectures work with natural language data
Get the hang of building sophisticated text processing models using machine learning and deep learning
Check out state-of-the-art architectures that have revolutionized research in the

NLP domainWho this book is for This NLP Python book is for anyone looking to learn NLP's theoretical and practical aspects alike. It starts with the basics and gradually covers advanced concepts to make it easy to follow for readers with varying levels of NLP proficiency. This comprehensive guide will help you develop a thorough understanding of the NLP methodologies for building linguistic applications; however, working knowledge of Python programming language and high school level mathematics is expected.

Proceedings of Integrated Intelligence Enable Networks and Computing - Krishan Kant Singh Mer 2021-04-23

This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications - Vinit Kumar Gunjan 2020-10-17

This book gathers selected research papers presented at the International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2020), held on 29-30 March 2020 at CMR Institute of Technology, Hyderabad, Telangana, India. Discussing current trends in machine learning, Internet of things, and smart cities applications, with a focus on multi-disciplinary research in the area of artificial intelligence and cyber-physical systems, this book is a valuable resource for scientists, research scholars and PG students wanting formulate their research ideas and find the future directions in these areas. Further, it serves as a reference work anyone wishing to understand the latest technologies used by practicing engineers around the globe.

Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences - Mayank Dave 2021-02-19

This book presents best selected papers presented at the International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS 2020), organized by National Institute of Technology, Kurukshetra, India, during 1-3 May 2020. It discusses high-quality and cutting-edge research in the areas of advanced computing, communications and data science techniques. The book is a collection of latest research articles in computation algorithm, communication and data sciences, intertwined with each other for efficiency.

Dependency Injection - Dhananjay Prasanna 2009-07-31

Dependency Injection is an in-depth guide to the current best practices focusing the Dependency Injection pattern-the key concept in Spring and the rapidly-growing Google Guice. It explores Dependency Injection, sometimes called Inversion of Control, in fine detail with numerous practical examples. Developers will learn to apply important techniques, focusing on their strengths and limitations, with a particular emphasis on pitfalls, corner-cases, and best practices. This book is written for developers and architects who want to understand Dependency Injection and successfully leverage popular DI technologies such as Spring, Google Guice, PicoContainer, and many others. The book explores many small examples of anchor concepts and unfolds a larger example to show the big picture. Written primarily from a Java point-of-view, this book is appropriate for any developer with a working knowledge of object-oriented programming in Java, Ruby, or C#. 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.

Handbook Of Software Aging And Rejuvenation: Fundamentals, Methods, Applications, And Future Directions - Tadashi Dohi 2020-04-22

The Handbook of Software Aging and Rejuvenation provides a comprehensive overview of the subject, making it indispensable to graduate students as well as professionals in the field. It begins by

introducing fundamental concepts, definitions, and the history of software aging and rejuvenation research, followed by methods, tools, and strategies that can be used to detect, analyze, and overcome software aging.

Index to American Doctoral Dissertations - 2000

Engineering a Compiler - Keith Cooper 2011-01-18

This entirely revised second edition of *Engineering a Compiler* is full of technical updates and new material covering the latest developments in compiler technology. In this comprehensive text you will learn important techniques for constructing a modern compiler. Leading educators and researchers Keith Cooper and Linda Torczon combine basic principles with pragmatic insights from their experience building state-of-the-art compilers. They will help you fully understand important techniques such as compilation of imperative and object-oriented languages, construction of static single assignment forms, instruction scheduling, and graph-coloring register allocation. In-depth treatment of algorithms and techniques used in the front end of a modern compiler Focus on code optimization and code generation, the primary areas of recent research and development Improvements in presentation including conceptual overviews for each chapter, summaries and review questions for sections, and prominent placement of definitions for new terms Examples drawn from several different programming languages

Expert Hadoop 2 Administration - Sam R. Alapati 2016-11-29

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The Comprehensive, Up-to-Date Apache Hadoop Administration Handbook and Reference “Sam Alapati has worked with production Hadoop clusters for six years. His unique depth of experience has enabled him to write the go-to resource for all administrators looking to spec, size, expand, and secure production Hadoop clusters of any size.” —Paul Dix, Series Editor In *Expert Hadoop® Administration*, leading Hadoop administrator Sam R. Alapati brings together authoritative knowledge for creating, configuring, securing, managing,

and optimizing production Hadoop clusters in any environment. Drawing on his experience with large-scale Hadoop administration, Alapati integrates action-oriented advice with carefully researched explanations of both problems and solutions. He covers an unmatched range of topics and offers an unparalleled collection of realistic examples. Alapati demystifies complex Hadoop environments, helping you understand exactly what happens behind the scenes when you administer your cluster. You’ll gain unprecedented insight as you walk through building clusters from scratch and configuring high availability, performance, security, encryption, and other key attributes. The high-value administration skills you learn here will be indispensable no matter what Hadoop distribution you use or what Hadoop applications you run. Understand Hadoop’s architecture from an administrator’s standpoint Create simple and fully distributed clusters Run MapReduce and Spark applications in a Hadoop cluster Manage and protect Hadoop data and high availability Work with HDFS commands, file permissions, and storage management Move data, and use YARN to allocate resources and schedule jobs Manage job workflows with Oozie and Hue Secure, monitor, log, and optimize Hadoop Benchmark and troubleshoot Hadoop

SAP Implementation Unleashed - George Anderson 2009-05-21

SAP can help you capture better information and deliver it more quickly, allowing you to make better decisions and maximize the business value of everything you do. However, SAP implementations require massive effort, total buy-in, and significant change throughout the organization. In *SAP Implementation Unleashed*, 10 expert SAP project managers, functional consultants, and technologists guide you through the entire journey, helping you avoid pain and pitfalls and gain all the benefits of SAP. The authors introduce start-to-finish business, technical, and project management roadmaps for successful SAP implementation. Then, drawing on their immense experience, they walk you through the entire process of planning and deployment—addressing make-or-break issues and hidden gaps that other guidebooks ignore. You’ll discover how to employ processes, models, and toolsets that help you achieve implementation excellence while systematically reducing cost and

business risk. Along the way, you'll find actionable advice and real-world insight into innovative project management, best-suited leadership, effective load testing, contemporary infrastructure implementation, and more. George W. Anderson is responsible for providing enterprise applications thought leadership for the EDS/HP office of the CTO. A long-time SAP consultant and PMI-certified project manager, George has authored several best-selling books and enjoys new challenges. Charles D. Nilson is a senior program manager for EDS/HP and has led many successful SAP implementation teams over the years. He is a PMI PMP and is SAP Partner Academy certified in MM and PP. Tim Rhodes is a senior SAP technical consultant for EDS/HP and a Basis/infrastructure veteran focused on implementing, migrating, and upgrading SAP Business Suite and NetWeaver solutions. Tim is also an SAP-certified technical consultant, OCP, MCSE, and HP Master ASE. Detailed Information on How To... Define the business vision driving your implementation, and use it to design your solution Use TCO techniques to fully understand SAP's financial impact in your organization Structure your SAP project management office, business teams, technical support organization, and overall project team Size, plan, and test your SAP infrastructure to deliver the best performance and availability at the best cost Integrate SAP into an SOA environment Install and configure SAP Business Suite and NetWeaver components Perform basic functional configuration, testing, and change management activities Enable a smooth transition by successfully performing the critical tasks that immediately precede SAP Go-Live Choose the right mix of tools and applications to test, manage, and monitor SAP Prepare your SAP Operations team for its post-implementation responsibilities

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.

Programming in Java - Sachin Malhotra 2013-12-28

The second edition of Programming in Java confirms to Java Standard

Edition 7, the latest release since Oracle took over Sun Microsystems. It is significant in the sense that the last update was six years back and this major release comes bundled with plenty of enhancements which were overdue. To list a few noticeable enhancements, Java 7 includes support for strings in switch statements, try-with-resources statement, improved multi-catch, binary numeric literals, numeric literals with underscores, new APIs in NIO like Path and Files, automatic resource management, and much more. The second edition presents all these new topics with suitable examples. This second edition is not just about the enhancements introduced in Java 7; practically every chapter has been revisited to refine the text as much as possible with new example codes and greater topical coverage.

Programming Language Pragmatics - Michael L. Scott 2009-03-23

Programming Language Pragmatics, Third Edition, is the most comprehensive programming language book available today. Taking the perspective that language design and implementation are tightly interconnected and that neither can be fully understood in isolation, this critically acclaimed and bestselling book has been thoroughly updated to cover the most recent developments in programming language design, including Java 6 and 7, C++0X, C# 3.0, F#, Fortran 2003 and 2008, Ada 2005, and Scheme R6RS. A new chapter on run-time program management covers virtual machines, managed code, just-in-time and dynamic compilation, reflection, binary translation and rewriting, mobile code, sandboxing, and debugging and program analysis tools. Over 800 numbered examples are provided to help the reader quickly cross-reference and access content. This text is designed for undergraduate Computer Science students, programmers, and systems and software engineers. Classic programming foundations text now updated to familiarize students with the languages they are most likely to encounter in the workforce, including including Java 7, C++, C# 3.0, F#, Fortran 2008, Ada 2005, Scheme R6RS, and Perl 6. New and expanded coverage of concurrency and run-time systems ensures students and professionals understand the most important advances driving software today.

Includes over 800 numbered examples to help the reader quickly cross-

reference and access content.

International Symposium on Principles of Software Evolution -

Takuya Katayama 2000

This collection of 39 papers from the November 2000 symposium discusses reactive systems, design patterns, dynamic adaptability, constraint management, source code handling, language support for object evolution, and operating systems support. Some of the topics are simulating the impact of business process management agents and human factors, speed and scale up software reengineering with abstraction patterns and rules, dynamic compilation of a reflective language using run-time specialization, and a meta-model for language independent refactoring. Other topics include an evolution tableau method for temporal logic specifications, programmable environment calculus as theory of dynamic software evolution, and verifying formal specifications using fault tree analysis. No subject index. c. Book News Inc.

Java Threads - Scott Oaks 1999

Explains how to use Java's portable platforms to program and use threads effectively and efficiently while avoiding common mistakes

Machine Learning and Big Data Analytics (Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021) - Rajiv Misra 2021-09-29

This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2021) is intended to be used as a reference book for researchers and practitioners in the disciplines of computer science, electronics and telecommunication, information science, and electrical engineering. Machine learning and Big data analytics represent a key ingredients in the industrial applications for new products and services. Big data analytics applies machine learning for predictions by examining large and varied data sets—i.e., big data—to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information that can help organizations make more informed business decisions.

[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.

Introduction to Database Management System - Satinder Bal Gupta

Policies for Distributed Systems and Networks - Morris Sloman

2003-06-29

Policy based systems are the subject of a wide range of activities in universities, standardisation bodies, and within industry. They have a wide spectrum of applications ranging from quality of service management within networks to security and enterprise modelling. This Lecture Notes volume collects the papers presented at the workshop on Policies for Distributed Systems and Networks held at the Hewlett-Packard Laboratories in Bristol, UK in January 2001. After a rigorous review process 16 papers were selected from 43 submissions. Within the Internet community there is considerable interest in policy based networking. A number of companies have announced tools to support the specification and deployment of policies. Much of this work is focused on policies for quality of service management within networks and the Internet Engineering and Distributed Management Task Force (IETF/DMTF) is actively working on standards related to this area. The security community has focused on the specification and analysis of access control policy which has evolved into the work on Role-Based Access Control (RBAC). There has been work over a number of years in the academic community on specification and analysis of policies for distributed systems mostly concentrating on authorisation policies. Although there are strong similarities in the concepts and techniques used by the different communities there is no commonly accepted terminology or notation for specifying policies.

Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources

2020-03-06

Through the rise of big data and the internet of things, terrorist organizations have been freed from geographic and logistical confines

and now have more power than ever before to strike the average citizen directly at home. This, coupled with the inherently asymmetrical nature of cyberwarfare, which grants great advantage to the attacker, has created an unprecedented national security risk that both governments and their citizens are woefully ill-prepared to face. Examining cyber warfare and terrorism through a critical and academic perspective can lead to a better understanding of its foundations and implications. *Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications* is an essential reference for the latest research on the utilization of online tools by terrorist organizations to communicate with and recruit potential extremists and examines effective countermeasures employed by law enforcement agencies to defend against such threats. Highlighting a range of topics such as cyber threats, digital intelligence, and counterterrorism, this multi-volume book is ideally designed for law enforcement, government officials, lawmakers, security analysts, IT specialists, software developers, intelligence and security practitioners, students, educators, and researchers.

Computing Algorithms with Applications in Engineering - V. K. Giri

2020-03-02

This book collects high-quality research papers presented at the International Conference on Computing Applications in Electrical & Electronics Engineering, held at Rajkiya Engineering College, Sonbhadra, India, on August 30–31, 2019. It provides novel contributions in computational intelligence, together with valuable reference material for future research. The topics covered include: big data analytics, IoT and smart infrastructures, machine learning, artificial intelligence and deep learning, crowd sourcing and social intelligence, natural language processing, business intelligence, high-performance computing, wireless, mobile and green communications, ad-hoc, sensor and mesh networks, SDN and network virtualization, cognitive systems, swarm intelligence, human-computer interaction, network and information security, intelligent control, soft computing, networked control systems, renewable energy sources and technologies, biomedical signal processing, pattern recognition and object tracking, and sensor devices

and applications.