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Low-tech Magazine JMS Books LLC
Presenting a complete guide to SQL/PSM (Persistent Stored Modules), this book explores the basic concepts and then presents the entire PSM standard in a way designed for "real world" use. It teaches application developers to use new SQL extensions that allow complex operations to be performed on the server in client-server environments. This, in turn, improves system performance and saves time.

Understanding the Linux Kernel McGraw Hill Professional
Are you a data mining analyst, who spends up to 80% of your time assuring data quality, then preparing that data for developing and deploying predictive models? And do you find lots of literature on data mining theory and concepts, but when it comes to practical advice on developing good mining views find little "how to information? And are you, like most analysts, preparing the data in SAS?This book is intended to fill this gap as your source of practical recipes. It introduces a framework for the process of data preparation for data mining, and presents the detailed implementation of each step in SAS. In addition, business applications of data mining modeling require you to deal with a large number of variables, typically hundreds if not thousands. Therefore, the book devotes several chapters to the methods of data transformation and variable selection. - A complete framework for the data preparation process, including implementation details for each step. - The complete SAS implementation code, which is readily usable by professional analysts and data miners. - A unique and comprehensive approach for the treatment of missing values, optimal binning, and cardinality reduction. - Assumes minimal proficiency in SAS and includes a quick-start chapter on writing SAS macros.

The Age of Low Tech Springer Science & Business Media
Until recently, databases contained easily indexed numbers and text. Today, in the age of powerful, graphically based computers, and the world wide web, databases are likely to contain a much greater variety of data forms, including images, sound, video clips, and even handwritten documents. When multimedia databases are the norm, traditional methods of working with

databases no longer apply. How do you query a video library, or an image database containing x-rays, or sounds in an audio database? Principles of Multimedia Database Systems explains how to work with these new multimedia data forms. It is the first comprehensive treatment of the skills and techniques required to build, maintain, and query multimedia databases. This book presents the mix of techniques necessary for working with multimedia databases, including synthetic solutions for the design and deployment of multimedia database systems. Because rapid technological developments are constantly changing the landscape of multimedia databases, the book teaches basic theoretical principles applicable to any database. * Covers the major issues of multimedia database design, with a strong focus on distributed multimedia databases. * Discusses important topics including how to organize the vast data types, storage and retrieval, and creation and delivery of multimedia presentations. * Organized around the lively scenario of a crime-fighting database that evolves as new concepts are introduced. * Includes numerous exercises and suggestions for programming projects. * Additional materials on the web include updates, on-line supplements, and links to downloadable software.

Data Preparation for Data Mining Using SAS Taylor & Francis
This collection offers the reader a broad survey of the role of transaction processing in advanced computer applications. It contains an introduction to traditional transaction technology, and comprehensive descriptions of commercial systems and research projects. This volume will help anyone interested in keeping up with database applications and the potential for transaction processing systems to address the needs of OLTP, CAD, CASE, computer aided publishing, heterogeneous databases, active databases, communications, systems and other areas. For researchers, managers, software developers, professionals in the data processing fields, or anyone interested in a coherent overview of this new and fast growing area of computer science.

Franchising in Malaysia Books By Alan Hartley
Low-tech Magazine underscores the potential of past and often forgotten technologies and how they can inform sustainable energy practices. Sometimes, past technologies can be copied without any changes. More often, interesting possibilities arise when older technology is combined with new knowledge and new materials, or when past concepts and traditional knowledge are applied to modern technology. Inspiration is also to be found in the so-called "developing" world, where resource constraints often lead to inventive,

low-tech solutions. Contains 159 images in black & white.

Laser Technology Morgan Kaufmann

The second volume of 'What English Language Teachers Need to Know' covers the three main facets of teaching: planning, instructing and assessing.

Warm Beer, Lousy Food Origin inc

The First Expert Guide to Static Analysis for Software Security! Creating secure code requires more than just good intentions. Programmers need to know that their code will be safe in an almost infinite number of scenarios and configurations. Static source code analysis gives users the ability to review their work with a fine-toothed comb and uncover the kinds of errors that lead directly to security vulnerabilities. Now, there's a complete guide to static analysis: how it works, how to integrate it into the software development processes, and how to make the most of it during security code review. Static analysis experts Brian Chess and Jacob West look at the most common types of security defects that occur today. They illustrate main points using Java and C code examples taken from real-world security incidents, showing how coding errors are exploited, how they could have been prevented, and how static analysis can rapidly uncover similar mistakes. This book is for everyone concerned with building more secure software: developers, security engineers, analysts, and testers.

Data Mining: Concepts and Techniques Pearson Education

This comprehensive reference consists of 18 chapters from prominent researchers in the field. Each chapter is self-contained, and synthesizes one aspect of frequent pattern mining. An emphasis is placed on simplifying the content, so that students and practitioners can benefit from the book. Each chapter contains a survey describing key research on the topic, a case study and future directions. Key topics include: Pattern Growth Methods, Frequent Pattern Mining in Data Streams, Mining Graph Patterns, Big Data Frequent Pattern Mining, Algorithms for Data Clustering and more. Advanced-level students in computer science, researchers and practitioners from industry will find this book an invaluable reference.

Monitor Loudspeakers John Wiley & Sons

This book provides a detailed understanding of optimization methods as they are implemented in a variety of manufacturing, fabrication and machining processes. It covers the implementation of statistical methods, multi-criteria decision making methods and evolutionary techniques for single and multi-objective optimization to improve quality, productivity, and sustainability in manufacturing. It reports on the theoretical aspects, special features, recent research and latest development in the field. Optimization of Manufacturing Processes is a valuable source of information for researchers and practitioners, as it fills the gap where no dedicated book is available on intelligent manufacturing/modeling and optimization in manufacturing. Readers will develop an understanding of the implementation of statistical and evolutionary techniques for modeling and optimization in manufacturing.

Secure Programming with Static Analysis Morgan Kaufmann

Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. - Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects - Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields - Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

The Lenovo Way: Managing a Diverse Global Company for Optimal Performance DIGITAL AUDIO Taylor & Francis US

Essay Collection covering the point where software, law and social justice meet.

Understanding SQL's Stored Procedures Morgan Kaufmann

The Lenovo Way to Profitability and Growth In 2005, the Chinese corporation Lenovo acquired what was seen as a sacred American icon--IBM's personal computer business. It has since grown to become the world's biggest PC company and is now rapidly growing in the global mobile space. The Lenovo Way reveals practical methods for managing a truly diverse workforce operating around the world, drawn from both China and the United States. Gina Qiao is Senior Vice President of HR at Lenovo. Yolanda Conyers is Vice President of HR Operations and Chief Diversity Officer at Lenovo.

Developing Variations U of Minnesota Press

Whether you're a database designer, programmer, analyst, or manager, you've probably encountered some of the challenges-and experienced some of the frustrations-associated with time-varying data. Where do you turn to fix the problem and see that it doesn't happen again? In Developing Time-Oriented Database Applications in SQL, a leading SQL researcher teaches you effective techniques for designing and building database applications that must integrate past and current data. Written to meet a pervasive, enduring need, this book will be indispensible if you happen to be part of the flurry of activity leading up to Y2K. The enclosed CD-ROM contains all of the code fragments-implemented for Oracle8 Server, IBM DB2 Universal Database, Microsoft SQL Server, and other systems-and evaluation copies of the programs discussed in the book. * Offers incisive advice on recording temporal data using SQL data types, defining appropriate integrity constraints, updating

temporal tables, and querying temporal tables with interactive and embedded SQL. * Provides case studies detailing real-world problems and solutions in areas such as event data, state-based data, partitioned data, and audit logs. * Contains over 400 code fragments with detailed explanations.

Free Software, Free Society Springer

People often believe that we can overcome the profound environmental and climate crises we face by smart systems, green innovations and more recycling. However, the quest for complex technological solutions, which rely on increasingly exotic and scarce materials, makes this unlikely. A best-seller in France, this English language edition introduces readers to an alternative perspective on how we should be marshalling our resources to preserve the planet and secure our future. Bihouix skilfully goes against the grain to argue that 'high' technology will not solve global problems and envisages a different approach to build a more resilient and sustainable society.

DC Super Friends Elsevier

Since the 9/11 terrorist attacks in the United States, serious concerns were raised on domestic and international security issues. Consequently, there has been considerable interest recently in technological strategies and resources to counter acts of terrorism. In this context, this book provides a state-of-the-art survey of the most recent advances in the field of counterterrorism and open source intelligence, demonstrating how various existing as well as novel tools and techniques can be applied in combating covert terrorist networks. A particular focus will be on future challenges of open source intelligence and perspectives on how to effectively operate in order to prevent terrorist activities.

The Boss's Daughter Lulu.com

The lives and work of outstanding scientists whose research and discoveries made later inventions possible. Grades 6-9.

The Ventilator Book McGraw Hill Professional

The twin challenge of meeting global energy demands in the face of growing economies and populations and restricting greenhouse gas emissions is one of the most daunting ones that humanity has ever faced. Smart electrical generation and distribution infrastructure will play a crucial role in meeting these challenges. We would need to develop capabilities to handle large volumes of data generated by the power system components like PMUs, DFRs and other data acquisition devices as well as by the capacity to process these data at high resolution via multi-scale and multi-period simulations, cascading and security analysis, interaction between hybrid systems (electric, transport, gas, oil, coal, etc.) and so on, to get meaningful information in real time to ensure a secure, reliable and stable power system grid. Advanced research on development and implementation of market-ready leading-edge high-speed enabling technologies and algorithms for solving real-time, dynamic, resource-critical problems will be required for dynamic security analysis targeted towards successful implementation of Smart Grid initiatives. This books aims to bring together some of the latest research developments as well as thoughts on the future research directions of the high performance computing applications in electric power systems planning, operations, security, markets, and grid integration of alternate sources of energy, etc.

Frequent Pattern Mining iUniverse

A practical application-based guide to adult mechanical ventilation This trusted guide is written from the perspective of authors who have more than seventy-five years' experience as clinicians, educators, researchers, and authors. Featuring chapters that are concise, focused, and practical, this book is unique. Unlike other references on the topic, this resource is about mechanical ventilation rather than mechanical ventilators. It is written to provide a solid understanding of the general principles and essential foundational knowledge of mechanical ventilation as required by respiratory therapists and critical care physicians. To make it clinically relevant, Essentials of Mechanical Ventilation includes disease-specific chapters related to mechanical ventilation in these conditions. Essentials of Mechanical Ventilation is divided into four parts: Part One, Principles of Mechanical Ventilation describes basic principles of mechanical ventilation and then continues with issues such as indications for mechanical ventilation, appropriate physiologic goals, and ventilator liberation. Part Two, Ventilator Management, gives practical advice for ventilating patients with a variety of diseases. Part Three, Monitoring During Mechanical Ventilation, discusses blood gases, hemodynamics, mechanics, and waveforms. Part Four, Topics in Mechanical Ventilation, covers issues such as airway management, aerosol delivery, and extracorporeal life support. Essentials of Mechanical Ventilation is a true "must read" for all clinicians caring for mechanically ventilated patients.

Fundamentals of Communication Systems Springer

Tuning your database for optimal performance means more than following a few short steps in a vendor-specific guide. For maximum improvement, you need a broad and deep knowledge of basic tuning principles, the ability to gather data in a systematic way, and the skill to make your system run faster. This is an art as well as a science, and Database Tuning: Principles, Experiments, and Troubleshooting Techniques will help you develop portable skills that will allow you to tune a wide variety of database systems on a multitude of hardware and operating systems. Further, these skills, combined with the scripts provided for validating results, are exactly what you need to evaluate competing database products and to choose the right one. - Forward by Jim Gray, with invited chapters by Joe Celko and Alberto Lerner - Includes industrial contributions by Bill McKenna (RedBrick/Informix), Hany Saleeb (Oracle), Tim Shetler (TimesTen), Judy Smith (Deutsche Bank), and Ron Yorita (IBM) - Covers the entire system environment: hardware, operating system, transactions, indexes, queries, table design, and application analysis - Contains experiments (scripts available on the author's site) to help you verify a system's effectiveness in your own environment - Presents special topics, including data warehousing, Web support, main memory databases, specialized databases, and financial time series - Describes performance-monitoring techniques that will help you recognize and troubleshoot problems

High Performance Computing in Power and Energy Systems Elsevier

The acronym Laser is derived from Light Amplification by Stimulated Emission of Radiation. With the advent of the ruby laser in 1960, there has been tremendous research activity in developing novel, more versatile and more efficient laser sources or devices, as lasers applications are ubiquitous. Today, lasers are used in many areas of human endeavor and are

routinely employed in a host of diverse fields: various branches of engineering, microelectronics, biomedical, medicine, dentistry, surgery, surface modification, to name just a few. In this book (containing 10 chapters) we have focused on application of lasers in adhesion and related areas. The topics covered include: Topographical modification of polymers and metals by laser ablation to create superhydrophobic surfaces. Non-ablative laser surface modification. Laser surface modification to enhance adhesion. Laser surface engineering of materials to modulate their wetting behavior. Laser surface modification in dentistry. Laser polymer welding. Laser based adhesion testing technique to measure thin film-substrate interface toughness. Laser surface removal of hard thin ceramic coatings. Laser removal of particles from surfaces. Laser induced thin film debonding for micro-device fabrication applications.