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A top corporate recruiter reveals what it takes to reach the top of a major corporation. Few people have as deep an understanding of corporate leadership as Umesh Ramakrishnan. As vice chairman of CTPartners, one of the world's premier search firms, he has placed dozens of C-level executives at companies around the globe. Now he shares powerful lessons from his long career and also from exclusive interviews with top CEO's. Ramakrishnan identifies the qualities that distinguish those who are likely to make it from those who aren't. And he explains, for instance: Why the surest route to the top is not always straight up the greasy pole How it's possible to have a star team without everyone being a star Why your listening skills need as much attention as your communication skills How to meet the challenges—and grasp the opportunities—of globalization There's No Elevator to the Top is like an exclusive lunch date with a tableful of CEOs, as Ramakrishnan features the insights of dozens of top leaders at companies like Dell, Cadbury Schweppes, Aetna, BT Group, Pepsi, Infosys, and Ecopetrol. This book constitutes the refereed proceedings of the 5th International Conference on Deductive and Object-Oriented Databases, DOOD'97, held in Montreux, Switzerland, in December 1997. The 22 revised full papers presented in this book were selected from a total of 59 submissions. Also included are abstracts or full versions of three invited talks and three tutorials and six short presentations. The papers are organized in topical sections on materialized view maintenance, extending DBMs features, database updates, managing change in object databases, semantics of active

databases, formal semantics, and new directions. Constraints and Databases contains seven contributions on the rapidly evolving research area of constraints and databases. This collection of original research articles has been compiled as a tribute to Paris C. Kanellakis, one of the pioneers in the field. Constraints have long been used for maintaining the integrity of databases. More recently, constraint databases have emerged where databases store and manipulate data in the form of constraints. The generality of constraint databases makes them highly attractive for many applications. Constraints provide a uniform mechanism for describing heterogeneous data, and advanced constraint solving methods can be used for efficient manipulation of constraint data. The articles included in this book cover the range of topics involving constraints and databases; join algorithms, evaluation methods, applications (e.g. data mining) and implementations of constraint databases, as well as more traditional topics such as integrity constraint maintenance. Constraints and Databases is an edited volume of original research comprising invited contributions by leading researchers.

The research and development of nanofibers has gained much prominence in recent years due to the heightened awareness of its potential applications in the medical, engineering and defense fields. Among the most successful methods for producing nanofibers is the electrospinning process. In this timely book, the areas of electrospinning and nanofibers are covered for the first time in a single volume. The book can be broadly divided into two parts: the first comprises descriptions of the electrospinning process and modeling to obtain nanofibers while the second describes the characteristics and applications of nanofibers. The material is aimed at both newcomers and experienced researchers in the area. Given their tremendous success in commercial applications, machine learning (ML) models are increasingly being considered as alternatives to science-based models in many disciplines. Yet, these "black-box" ML models have found limited success due to their inability to work well in the presence of limited training data and generalize to unseen scenarios. As a result, there is a growing interest in the scientific community on creating a new generation of methods that integrate scientific knowledge in ML frameworks. This emerging field, called scientific knowledge-guided ML (KGML), seeks a distinct departure from existing "data-only" or "scientific knowledge-only" methods to use knowledge and data at an equal footing. Indeed, KGML involves diverse scientific and ML communities, where researchers and practitioners from various backgrounds and application domains are continually adding richness to the problem formulations and research methods in this emerging field. Knowledge Guided Machine Learning: Accelerating Discovery using Scientific Knowledge and Data provides an introduction to this rapidly growing field by discussing some of the common themes of research in KGML using illustrative examples, case studies, and reviews from diverse application domains and research communities as book chapters by leading researchers.

KEY FEATURES First-of-its-kind book in an emerging area of research that is gaining widespread attention in the scientific and data science fields Accessible to a broad audience in data science and scientific and engineering fields Provides a coherent organizational structure to the

problem formulations and research methods in the emerging field of KGML using illustrative examples from diverse application domains Contains chapters by leading researchers, which illustrate the cutting-edge research trends, opportunities, and challenges in KGML research from multiple perspectives Enables cross-pollination of KGML problem formulations and research methods across disciplines Highlights critical gaps that require further investigation by the broader community of researchers and practitioners to realize the full potential of KGML

The eighth edition of Textbook of Medical Biochemistry provides a concise, comprehensive overview of biochemistry, with a clinical approach to understand disease processes. Beginning with an introduction to cell biology, the book continues with an analysis of biomolecule chemistry, molecular biology and metabolism, as well as chapters on diet and nutrition, biochemistry of cancer and AIDS, and environmental biochemistry. Each chapter includes numerous images, multiple choice and essay-style questions, as well as highlighted text to help students remember the key points. The latest edition of a popular text and reference on database research, with substantial new material and revision; covers classical literature and recent hot topics. Lessons from database research have been applied in academic fields ranging from bioinformatics to next-generation Internet architecture and in industrial uses including Web-based e-commerce and search engines. The core ideas in the field have become increasingly influential. This text provides both students and professionals with a grounding in database research and a technical context for understanding recent innovations in the field. The readings included treat the most important issues in the database area--the basic material for any DBMS professional. This fourth edition has been substantially updated and revised, with 21 of the 48 papers new to the edition, four of them published for the first time. Many of the sections have been newly organized, and each section includes a new or substantially revised introduction that discusses the context, motivation, and controversies in a particular area, placing it in the broader perspective of database research. Two introductory articles, never before published, provide an organized, current introduction to basic knowledge of the field; one discusses the history of data models and query languages and the other offers an architectural overview of a database system. The remaining articles range from the classical literature on database research to treatments of current hot topics, including a paper on search engine architecture and a paper on application servers, both written expressly for this edition. The result is a collection of papers that are seminal and also accessible to a reader who has a basic familiarity with database systems. A modern approach to number theory through a blending of complementary algebraic and analytic perspectives, emphasising harmonic analysis on topological groups. The main goal is to cover John Tate's visionary thesis, giving virtually all of the necessary analytic details and topological preliminaries -- technical prerequisites that are often foreign to the typical, more algebraically inclined number theorist. While most of the existing treatments of Tate's thesis are somewhat terse and less than complete, the intent here is to be more leisurely, more comprehensive, and more comprehensible. While the

choice of objects and methods is naturally guided by specific mathematical goals, the approach is by no means narrow. In fact, the subject matter at hand is germane not only to budding number theorists, but also to students of harmonic analysis or the representation theory of Lie groups. The text addresses students who have taken a year of graduate-level course in algebra, analysis, and topology. Moreover, the work will act as a good reference for working mathematicians interested in any of these fields. Presents the fundamental concepts of database management. This text is suitable for a first course in databases at the junior/senior undergraduate level or the first year graduate level. 'Takes the Malayalam novel to new heights and fresh possibilities.' - The Hindu

When Peter Jeevanandam arrives in Sri Lanka to shoot a movie about a human rights activist ostensibly murdered by the LTTE, the government is more than willing to help. What they don't know is that he is also searching for Sugandhi - an LTTE member, and the love of his life. As Peter stumbles upon and becomes part of a plot to kill the president, reality, history, myth and fiction collide in explosive, illuminating ways. Sugandhi Alias Andal Devanayaki is a daring novel that portrays the violence inherent in both fascism and revolution. Winner of the 2017 Vayalar Award and the Kerala Sahitya Akademi Award.

The development of a methodology for using logic databases is essential if new users are to be able to use these systems effectively to solve their problems, and this remains a largely unrealized goal. A workshop was organized in conjunction with the ILPS '93 Conference in Vancouver in October 1993 to provide a forum for users and implementors of deductive systems to share their experience. The emphasis was on the use of deductive systems. In addition to paper presentations, a number of systems were demonstrated. The papers of this book were drawn largely from the papers presented at the workshop, which have been extended and revised for inclusion here, and also include some papers describing interesting applications that were not discussed at the workshop. The applications described here should be seen as a starting point: a number of promising application domains are identified, and several interesting application packages are described, which provide the inspiration for further development. Declarative rule-based database systems hold a lot of promise in a wide range of application domains, and we need a continued stream of application development to better understand this potential and how to use it effectively. This book contains the broadest collection to date of papers describing implemented, significant applications of logic databases, and database systems as well as potential database users in such areas as scientific data management and complex decision support. This book presents essential principles, technical information, and expert insights on multimedia security technology. It also serves as an instructional tool on the fundamental theoretical framework required for the development of advanced techniques. The concept of Internet of Things has silently existed since the late nineteenth century but in the current decade expectations and excitement has peaked. However not many have understood the profound change that it can usher in. How big this change can be and how it can transform our working!! This book aims to bring in this realization with illustrative and practical case studies with

comprehensive concepts. From beginners to practitioners in the field of academics or industry, it serves as a comprehensive yet easy to comprehend source of information on the multiple facets of IoT. Simplistic but comprehensive introduction of the facets of primarily the industrial IoT Practical adoption cases explaining the Core technology stack and business applications Comprehensive view of current technologies which complete the IoT delivery ecosystem, followed by overview of IoT enabled new business models. Realistic view of how industrial firms can evolve into the next stage of maturity along with determinants influencing this transformation since manufacturing is envisioned to be a key segment to adopt and benefit from IoT. Detailed analysis of IoT benefits for the universal triad- energy management, logistics optimization and distribution channel management. A full-fledged case study on Adoption of Green manufacturing using IoT. Real world example of gauging End User perception using different models which is important for a successful adoption of IoT. A futuristic visionary view of IoT as comprehended based on evolution of technology and platforms, and finally analysis of the extremely crucial concepts of security, privacy and governance.

Ramakrishnan was born in Chidambaram in Cuddalore district of Tamil Nadu; India to C. V. Ramakrishnan and Ramakrishnan Rajalakshmi. Both his parents were scientists; and his father was head of department of biochemistry at the Maharaja Sayajirao University of Baroda. Ramakrishnan began work on ribosomes as a postdoctoral fellow with Peter Moore at Yale University. After his post-doctoral fellowship; he initially could not find a faculty position even though he had applied to about 50 universities in the U.S. He continued to work on ribosomes from 1983-95 as a staff scientist at Brookhaven National Laboratory. Ramakrishnan is internationally recognised for determination of the atomic structure of the 30S ribosomal subunit. Earlier he mapped the arrangement of proteins in the 30S subunit by neutron diffraction and solved X-ray structures of individual components and their RNA complexes.

Advanced statistical modeling and knowledge representation techniques for a newly emerging area of machine learning and probabilistic reasoning; includes introductory material, tutorials for different proposed approaches, and applications. Handling inherent uncertainty and exploiting compositional structure are fundamental to understanding and designing large-scale systems. Statistical relational learning builds on ideas from probability theory and statistics to address uncertainty while incorporating tools from logic, databases and programming languages to represent structure. In Introduction to Statistical Relational Learning, leading researchers in this emerging area of machine learning describe current formalisms, models, and algorithms that enable effective and robust reasoning about richly structured systems and data. The early chapters provide tutorials for material used in later chapters, offering introductions to representation, inference and learning in graphical models, and logic. The book then describes object-oriented approaches, including probabilistic relational models, relational Markov networks, and probabilistic entity-relationship models as well as logic-based formalisms including Bayesian logic programs, Markov logic, and stochastic logic programs. Later chapters discuss such topics as probabilistic models with unknown

objects, relational dependency networks, reinforcement learning in relational domains, and information extraction. By presenting a variety of approaches, the book highlights commonalities and clarifies important differences among proposed approaches and, along the way, identifies important representational and algorithmic issues. Numerous applications are provided throughout. In the spirit of Alladi Ramakrishnan's profound interest and contributions to three fields of science — Mathematics, Statistics, and Physics — this volume contains invited surveys and research articles from prominent members of these communities who also knew Ramakrishnan personally and greatly respected his influence in these areas of science. Historical photos, telegrams, and biographical narratives of Alladi Ramakrishnan's illustrious career of special interest are included as well. Although there are many books available on WSNs, most are low-level, introductory books. The few available for advanced readers fail to convey the breadth of knowledge required for those aiming to develop next-generation solutions for WSNs. Filling this void, *Wireless Sensor Networks: From Theory to Applications* supplies comprehensive coverage of WSNs. In order to provide the wide-ranging guidance required, the book brings together the contributions of domain experts working in the various subfields of WSNs worldwide. This edited volume examines recent advances in WSN technologies and considers the theoretical problems in WSN, including issues with monitoring, routing, and power control. It also details methodologies that can provide solutions to these problems. The book's 25 chapters are divided into seven parts: Data Collection Physical Layer and Interfacing Routing and Transport Protocols Energy-Saving Approaches Mobile and Multimedia WSN Data Storage and Monitoring Applications The book examines applications of WSN across a range of fields, including health, military, transportation, and mining. Addressing the main challenges in applying WSNs across all phases of our life, it explains how WSNs can assist in community development. Complete with a list of references at the end of each chapter, this book is ideal for senior undergraduate and postgraduate students, researchers, scholars, academics, industrial researchers, and practicing engineers working on WSNs. The text assumes that readers possess a foundation in computer networks, wireless communication, and basic electronics. This Revised Edition Is Thoroughly Updated With Chapter Summaries And Questions Included At The End Of Each Chapter. Topics Such As Biostatistics, Metabolism In Starvation, And Alcoholism Are Extensively Covered. New Chapters On Clinical Biochemistry, Immunology And Environmental Pollutants Have Been Added. This book provides comprehensive coverage of fundamentals of database management system. It contains a detailed description on Relational Database Management System Concepts. There are a variety of solved examples and review questions with solutions. This book is for those who require a better understanding of relational data modeling, its purpose, its nature, and the standards used in creating relational data model. Anemias resulting from nutritional factors constitute the largest nutrition health problem affecting populations in both developed and developing nations. Nutritional Anemias examines these anemias in detail and offers a balanced approach that includes current research findings on the

etiology and consequences of this important problem. Th XML has become the lingua franca for representing business data, for exchanging information between business partners and applications, and for adding structure– and sometimes meaning—to text-based documents. XML offers some special challenges and opportunities in the area of search: querying XML can produce very precise, fine-grained results, if you know how to express and execute those queries. For software developers and systems architects: this book teaches the most useful approaches to querying XML documents and repositories. This book will also help managers and project leaders grasp how “querying XML fits into the larger context of querying and XML. Querying XML provides a comprehensive background from fundamental concepts (What is XML?) to data models (the Infoset, PSVI, XQuery Data Model), to APIs (querying XML from SQL or Java) and more. * Presents the concepts clearly, and demonstrates them with illustrations and examples; offers a thorough mastery of the subject area in a single book. * Provides comprehensive coverage of XML query languages, and the concepts needed to understand them completely (such as the XQuery Data Model). * Shows how to query XML documents and data using: XPath (the XML Path Language); XQuery, soon to be the new W3C Recommendation for querying XML; XQuery's companion XQueryX; and SQL, featuring the SQL/XML * Includes an extensive set of XQuery, XPath, SQL, Java, and other examples, with links to downloadable code and data samples. Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 7th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true. An Accessible Guide to the Java Language and Libraries Modern Java introduces major enhancements that impact the core Java technologies and APIs at the heart of the Java platform. Many old Java idioms are no longer needed and new features such as modularization make you far more effective. However, navigating these changes can be challenging. Core Java® SE 9 for the Impatient, Second Edition, is a complete yet concise guide that includes all the latest changes up to Java SE 9. Written by Cay S. Horstmann—author of the classic two-volume Core Java—this indispensable tutorial offers a faster, easier pathway for learning modern Java. Given Java SE 9's size and the scope of its enhancements, there's plenty to cover, but it's presented in small chunks organized for quick access and easy understanding. Horstmann's practical insights and sample code help you quickly take advantage of all that's new, from Java SE 9's long-awaited “Project Jigsaw” module system to the improvements first

introduced in Java SE 8, including lambda expressions and streams. Use modules to simplify the development of well-performing complex systems Migrate applications to work with the modularized Java API and third-party modules Test code as you create it with the new JShell Read-Eval-Print Loop (REPL) Use lambda expressions to express actions more concisely Streamline and optimize data management with today's Streams API Leverage modern concurrent programming based on cooperating tasks Take advantage of a multitude of API improvements for working with collections, input/output, regular expressions, and processes Whether you're just getting started with modern Java or you're an experienced developer, this guide will help you write tomorrow's most robust, efficient, and secure Java code. Register your product at informit.com/register for convenient access to downloads, updates, and/or corrections as they become available.

In Custody examines the professed and actual commitment to custodial justice on the part of six South Asian countries. India, Pakistan, Bangladesh, Nepal, Sri Lanka and Afghanistan have all been affected by the geopolitics of colonialism. Nineteenth century Europe is often simplistically seen as the ideological source of the rights discourse in South Asia. But, like any ideological theme, the discourse on rights is also a negotiated space. Resistance created a need to justify imperialism by importing a purpose to it. Regulation of policing was the coloniser's superior norm, and also, his tool of control. The erstwhile colonies inherited the practice of affirming norms while systems enabled their breach. Which is not to say that the purpose of norms is merely hypocritical; political struggles and intellectual discourse have, over the years, ensured the recognition of human rights in international instruments, national charters and even in the very pretexts for their breach. Though human rights are inalienable, the modern state has been uniformly guarded in its response to their imperatives. This book traces the historical and contemporary nature of the conflict between the norm and its practice. Constitutions, statutes and mechanisms of justice are reviewed with case studies and interviews that illustrate the many layers of impunity. This is the 1st edition of the book Manual of Medical Laboratory Techniques. The text is comprehensive, updated and fully revised as per the present day requirements in the subject of medical laboratory technique. In this book principles, methodologies, results norms, interpretations diseases concerned and bibliography are included for each test. The book has 5 chapters. The first chapter deals with biochemical tests. Chapter two provides a comprehensive description of tests done for genetic analysis. A sound foundation of understanding of test in hematology, microbiology and serology is provi. Database Management Systems provides comprehensive and up-to-date coverage of the fundamentals of database systems. Coherent explanations and practical examples have made this one of the leading texts in the field. The third edition continues in this tradition, enhancing it with more practical material. The new edition has been reorganized to allow more flexibility in the way the course is taught. Now, instructors can easily choose whether they would like to teach a course which emphasizes database application development or a course that emphasizes database systems issues. New overview chapters at the beginning of

parts make it possible to skip other chapters in the part if you don't want the detail. More applications and examples have been added throughout the book, including SQL and Oracle examples. The applied flavor is further enhanced by the two new database applications chapters. For Database Systems and Database Design and Application courses offered at the junior, senior, and graduate levels in Computer Science departments. Written by well-known computer scientists, this accessible and succinct introduction to database systems focuses on database design and use. The authors provide in-depth coverage of databases from the point of view of the database designer, user, and application programmer, leaving implementation for later courses. It is the first database systems text to cover such topics as UML, algorithms for manipulating dependencies in relations, extended relational algebra, PHP, 3-tier architectures, data cubes, XML, XPATH, XQuery, XSLT. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed. This 1903 collection of the wisdom of the great sage logically arranges Ramakrishna's aphorisms to create a broad, practical, nonsectarian set of instructions about living a spiritual life. It inspired seekers after the divine a century ago, and it continues to do so today. Indian mystic SRI RAMAKRISHNA (1836-1886) was revered in the East for his keen, artistic intellect and his religious tolerance. He frequently worshipped alongside Muslims and Christians, which was unprecedented at the time. After he directed his disciple, Indian spiritualist SWAMI ABHEDANANDA (1866-1939), to travel the United States and Canada in the late 19th century to spread the teachings of Hindu Vedanta philosophy, he was soon beloved in the West as well. Cardiology - Clinical Methods is a concise resource for postgraduate students preparing for exams. Divided into ten chapters, including history taking, arterial pulse, blood pressure, jugular venous pulse and precordial examination palpitation. Further chapters cover heart sounds, and the book closes with a chapter on systolic and diastolic sounds. Each chapter begins with a chapter outline to introduce the topic and assist revision. Common exam cases are discussed in detail, and enhanced by images and information tables throughout the book. In the 21st century, supply chain operations and relationships among supply chain partners have become highly challenging, necessitating new approaches, e.g., the development of new models. Supply Chain Strategies, Issues and Models discusses supply chain issues and models with examples from actual industrial cases. Expert authors with a wide spectrum of knowledge working in various areas of supply chain management from various geographical locations offer refreshing, novel and insightful ideas and address possible solutions using established theories and models. Supply Chain Strategies, Issues and Models features studies that have used mathematical modeling, statistical

analyses and also descriptive qualitative studies. The chapters cover many relevant themes related to supply chains and logistics including supply chain complexity, information sharing, quality (six sigma), electronic Kanbans, inventory models, scheduling, purchasing and contracts. To facilitate easy reading, the chapters that deal with supply chain related issues are first, followed by studies on inventory, scheduling, purchasing and logistics. This book can be used as a useful resource of supply chain management by academics, students and practitioners. This book can serve as a helping tool in managerial decision making for investments in collaboration and information exchange to improve forecasts, scheduling and inventory management, and for supply chain managers to leverage product and process complexities into competitive advantage. Some interesting mathematical models can appeal to students and researchers interested in modeling the impact of information sharing in supply chains.

Glaucoma is an eye disease in which the optic nerve is damaged and can permanently damage vision and lead to blindness if left untreated. This book is a complete guide to the diagnosis and management of glaucoma. Divided into five sections, it begins with an introduction to the disease, continuing step by step through its diagnosis, the different types of glaucoma and treatment options. Authored by specialists renowned in their field based in India and the USA, this manual contains 840 images and illustrations. This is a very good all round ENT book Reviewed by: Harry Brown on behalf of www.glycosmedia.com, November 2015

Apply the latest knowledge and techniques with content thoroughly updated by leaders in the field. Quickly review key concepts through a question-and-answer format, bulleted lists, mnemonics, Exam Pearls, Key Points summaries, and practical tips from the authors. Enhance your reference power with a full range of well-organized essential topics in ear, nose and throat disorders. Improve content knowledge with a special chapter containing Top 100 Secrets, providing an overview of essential material for last-minute study or self-assessment. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

Database Management Systems provides comprehensive and up-to-date coverage of the fundamentals of database systems. Coherent explanations and practical examples have made this one of the leading texts in the field. The third edition continues in this tradition, enhancing it with more practical material. The new edition has been reorganized to allow more flexibility in the way the course is taught. Now, instructors can easily choose whether they would like to teach a course which emphasizes database application development or a course that emphasizes database systems issues. New overview chapters at the beginning of parts make it possible to skip other chapters in the part if you don't want the detail. More applications and examples have been added throughout the book, including SQL and Oracle examples. The applied flavor is further enhanced by the two new database applications chapters.

A Nobel Prize-winning biologist tells the riveting story of his race to discover the inner workings of biology's most important molecule "Ramakrishnan's writing is so honest, lucid and engaging that I could not put this book down until I had

read to the very end." -- Siddhartha Mukherjee, author of *The Emperor of All Maladies* and *The Gene* Everyone has heard of DNA. But by itself, DNA is just an inert blueprint for life. It is the ribosome -- an enormous molecular machine made up of a million atoms -- that makes DNA come to life, turning our genetic code into proteins and therefore into us. *Gene Machine* is an insider account of the race for the structure of the ribosome, a fundamental discovery that both advances our knowledge of all life and could lead to the development of better antibiotics against life-threatening diseases. But this is also a human story of Ramakrishnan's unlikely journey, from his first fumbling experiments in a biology lab to being the dark horse in a fierce competition with some of the world's best scientists. In the end, *Gene Machine* is a frank insider's account of the pursuit of high-stakes science. Increasingly possessed by a yearning to escape the ennui of an indifferent marriage and the empty but comfortable lifestyle of a bureaucrat, Raghu decides to visit the small patch of ancestral property in his native village. The novel moves between the two worlds the past and the present with pungent, earthy humour and sharp insights.

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 Butter chicken in under 6 minutes! Mutton biryani in 12 minutes! Aviyal in 5 minutes! The One Pot One Shot (OPOS) cooking technique is causing a revolution in the kitchen and has garnered a cult following of its own across the globe. OPOS simplifies cooking by deconstructing recipes, doesn't require any fancy equipment or massive prep and is both quick and healthy. Ingredients are layered in a pressure cooker, and the food cooks in its own juices at the highest possible heat in the shortest possible time. *The Complete OPOS Cookbook*, by culinary pioneer and OPOS inventor B. Ramakrishnan, features entire meal plans spanning regional and international cuisines and includes his bestselling recipes along with new ones.

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