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An insightful exploration of the key aspects concerning the chemical analysis of antibiotic residues in food. The presence of excess residues from frequent antibiotic use in animals is not only illegal, but can pose serious health risks by contaminating products for human consumption such as meat and milk. *Chemical Analysis of Antibiotic Residues in Food* is a single-source reference for readers interested in the development of analytical methods for analyzing antibiotic residues in food. It covers

themes that include quality assurance and quality control, antibiotic chemical properties, pharmacokinetics, metabolism, distribution, food safety regulations, and chemical analysis. In addition, the material presented includes background information valuable for understanding the choice of marker residue and target animal tissue to use for regulatory analysis. This comprehensive reference: Includes topics on general issues related to screening and confirmatory methods. Presents updated information on food safety regulation based on

routine screening and confirmatory methods, especially LC-MS. Provides general guidance for method development, validation, and estimation of measurement uncertainty. *Chemical Analysis of Antibiotic Residues in Food* is written and organized with a balance between practical use and theory to provide laboratories with a solid and reliable reference on antibiotic residue analysis. Thorough coverage elicits the latest scientific findings to assist the ongoing efforts toward refining analytical methods for producing safe foods of animal origin.

The Guide to Investigation of Mouse Pregnancy is the first publication to cover the mouse placenta or the angiogenic tree the mother develops to support the placenta. This much-needed resource covers monitoring of the cardiovascular system, gestational programming of chronic adult disease, epigenetic regulation, gene imprinting, and stem cells. Offering detailed and integrated information on how drugs, biologics, stress, and manipulations impact pregnancy in the mouse model, this reference highlights techniques used to analyze mouse pregnancy. Joining the ranks of much referenced mouse resources, The Guide to Investigation of Mouse Pregnancy is the only manual providing needed content on pregnancy in animal models for translational medicine and research. Provides instruction on how to collect pre-clinical data on pregnancy in mouse models for eventual use in human applications Describes the angiogenic tree the mother's uterus develops to support pregnancy and the monitoring of pregnancy-induced cardiovascular changes Educates readers on placental cell lineages, decidual development including immune cells, epigenetic regulation, gene imprinting, stem cells,

birth and lactation Discusses how stress, environmental toxicants and other manipulations impact upon placental function and pregnancy success

Offers advice on establishing selection criteria, incorporating diversity in elementary collections, and evaluating picture books, fiction, poetry, informational literature, reference materials, and professional books.

CD-ROM contains: Practice database -- Sample scripts reference in text.

Through an accessible, research-based program of professional learning, this critical resource empowers gifted educators to become change agents for equity in their classroom, school, or district. Designed for practitioners seeking to increase the rate of identification and retention of underserved gifted populations, this book guides readers through the Four Zones of Equity-Driven Professional Learning Model, a practical set of tools specific to the field of gifted education. Readers will develop an all-inclusive professional learning plan specific to their teachers' understanding of cultural norms, guiding participants to gain insight into the characteristics of gifted marginalized students, coaching faculty

in ways to increase classroom support, and equipping educators with the tools necessary to build effective partnerships with parents and communities. Ideal for gifted educators, coordinators, and administrators, this playbook is packed with practical ideas, strategies, and activities to bring meaningful, equity-driven professional learning to life.

Developers using PL/SQL 9i as an environment for corporate applications will find detailed technical information and practical tips in Lakshman's book.

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954--May 1961). Also issued separately.

This bibliography is a guide to the literature on Mexican flowering plants, beginning with the days of the discovery and conquest of Mexico by the Spaniards in the early sixteenth century.

"PostgreSQL" leads users through the internals of an open-source database. Throughout the book are explanations of data structures and algorithms, each backed by a concrete example from the actual source

code. Each section contains information about performance implications, debugging techniques, and pointers to more information (on the Web and in book form).

A Comprehensive Guide to Toxicology in Preclinical Drug Development is a resource for toxicologists in industry and regulatory settings, as well as directors working in contract resource organizations, who need a thorough understanding of the drug development process. Incorporating real-life case studies and examples, the book is a practical guide that outlines day-to-day activities and experiences in preclinical toxicology. This multi-contributed reference provides a detailed picture of the complex and highly interrelated activities of preclinical toxicology in both small molecules and biologics. The book discusses discovery toxicology and the international guidelines for safety evaluation, and presents traditional and nontraditional toxicology models. Chapters cover development of vaccines, oncology drugs, botanic drugs, monoclonal antibodies, and more, as well as study development and personnel, the role of imaging in preclinical evaluation, and supporting materials for IND applications. By incor-

porating the latest research in this area and featuring practical scenarios, this reference is a complete and actionable guide to all aspects of preclinical drug testing. Chapters written by world-renowned contributors who are experts in their fields Includes the latest research in preclinical drug testing and international guidelines Covers preclinical toxicology in small molecules and biologics in one single source

The second edition of this best-selling Handbook presents a fully updated and expanded overview of research, providing the latest perspectives on the analysis of theories, techniques, and methods used by industrial, work, and organizational psychologists. Building on the strengths of the first edition, key additions to this edition include in-depth historical chapter overviews of professional contexts across the globe, along with new chapters on strategic human resource management; corporate social responsibility; diversity, stress, emotions and mindfulness in the workplace; environmental sustainability at work; aging workforces, among many others. Providing a truly global approach and authoritative overview, this three-volume Handbook is

an indispensable resource and essential reading for professionals, researchers and students in the field. Volume One: Personnel Psychology and Employee Performance Volume Two: Organizational Psychology Volume Three: Managerial Psychology and Organizational Approaches

Master the advanced concepts of PL/SQL for professional-level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0-146 examination Build robust and secure applications in Oracle PL/SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for database management. Readers are expected to have basic knowledge of Oracle Database and the fundamentals of PL/SQL programming. Certification aspirants can use this book to prepare for 1Z0-146 examination in order to be an Oracle Certified Professional in Advanced PL/SQL. What You Will Learn Learn and understand the

key SQL and PL/SQL features of Oracle Database 12c Understand the new Multitenant architecture and Database In-Memory option of Oracle Database 12c Know more about the advanced concepts of the Oracle PL/SQL language such as external procedures, securing data using Virtual Private Database (VPD), SecureFiles, and PL/SQL code tracing and profiling Implement Virtual Private Databases to prevent unauthorized data access Trace, analyze, profile, and debug PL/SQL code while developing database applications Integrate the new application development features of Oracle Database 12c with the current concepts Discover techniques to analyze and maintain PL/SQL code Get acquainted with the best practices of writing PL/SQL code and develop secure applications In Detail Oracle Database is one of the most popular databases and allows users to make efficient use of their resources and to enhance service levels while reducing the IT costs incurred. Oracle Database is sometimes compared with Microsoft SQL Server, however, Oracle Database clearly supersedes SQL server in terms of high availability and addressing planned and unplanned downtime. Oracle PL/SQL provides

a rich platform for application developers to code and build scalable database applications and introduces multiple new features and enhancements to improve development experience. Advanced Oracle PL/SQL Developer's Guide, Second Edition is a handy technical reference for seasoned professionals in the database development space. This book starts with a refresher of fundamental concepts of PL/SQL, such as anonymous block, subprograms, and exceptions, and prepares you for the upcoming advanced concepts. The next chapter introduces you to the new features of Oracle Database 12c, not limited to PL/SQL. In this chapter, you will understand some of the most talked about features such as Multitenant and Database In-Memory. Moving forward, each chapter introduces advanced concepts with the help of demonstrations, and provides you with the latest update from Oracle Database 12c context. This helps you to visualize the pre- and post-applications of a feature over the database releases. By the end of this book, you will have become an expert in PL/SQL programming and will be able to implement advanced concepts of PL/SQL for efficient management of Oracle

Database. Style and approach The book follows the structure of the Oracle Certification examination but doesn't restrict itself to the exam objectives. Advanced concepts have been explained in an easy-to-understand style, supported with feature demonstrations and case illustrations.

This book covers the up-to-date advancement of respiratory monitoring in ventilation support as well as detecting the physiological responses to therapeutic interventions to avoid complications. Mechanical ventilation nowadays remains the cornerstone in life saving in critically ill patients with and without respiratory failure. However, conclusive evidences show that mechanical ventilation can also cause lung damage, specifically, in terms of ventilator-induced lung injury. Respiratory monitoring encloses a series of physiological and pathophysiological measurements, from basic gas exchange and ventilator wave forms to more sophisticated diaphragm function and lung volume assessments. The progress of respiratory monitoring has always been accompanied by advances in technology. However, how to properly conduct the procedures and correctly inter-

pret the data requires clear definition. The book introduces respiratory monitoring techniques and data analysis, including gas exchange, respiratory mechanics, thoracic imaging, lung volume measurement, and extra-vascular lung water measurement in the initial part. How to interpret the acquired and derived parameters and to illustrate their clinical applications is presented thoroughly. In the following part, the applications of respiratory monitoring in specific diseases and conditions is introduced, including acute respiratory distress syndrome, obstructive pulmonary diseases, patient-ventilator asynchrony, non-invasive ventilation, brain injury with increased intracranial pressure, ventilator-induced diaphragm dysfunction, and weaning from mechanical ventilation. This book is intended primarily for ICU physicians and other practitioners including respiratory therapists, ICU nurses and trainees who come into contact with patients under mechanical ventilation. This book also provides guidance for clinical researchers who take part in respiratory and mechanical ventilation researches.

Provides examples and step-by-step instructions on creating HTML-DB applica-

tions.

This handbook distills the science and practice of employee selection. Bringing together over 40 chapters, this volume includes essential information about the validation process, individual difference constructs and measures, and performance outcomes and measures.

This text provides comprehensive instruction that should enable students to develop a database in Oracle, using the database and application development tools provided by the Oracle Academic Alliance Program. It also provides instructors and technical support personnel with instruction on administration of these tools.

Discover this fascinating country with the most incisive and entertaining guidebook on the market. Whether you plan to wander through Krakow's magnificent medieval Old Town, hike in the Tatra Mountains or relax on the Baltic coast, The Rough Guide to Poland will show you the ideal places to sleep, eat, drink, shop and visit along the way. - Independent, trusted reviews written with Rough Guides' trademark blend of humour, honesty and insight, to help you get the most out of your

visit, with options to suit every budget. - Full-colour maps throughout - navigate the cobbled alleys of Lublin or Warsaw's New Town without needing to get online. - Stunning images - a rich collection of inspiring colour photography. - Things not to miss - Rough Guides' rundown of Poland's best sights and experiences. - Itineraries - carefully planned routes to help you organize your trip. - Detailed regional coverage - whether off the beaten track or in more mainstream tourist destinations, this travel guide has in-depth practical advice for every step of the way. - Areas covered include: Warsaw, Mazovia and Łódź, the Bay of Gdansk and the Wisla Delta, Torun, Mazuria and Podlasie, Lublin, Zamosc, the Polish Carpathians, Kraków and Malopolska, the Tatras and the Pieniny, Upper Silesia, Wroclaw and Lower Silesia, Wielkopolska, Pomerania. - Attractions include: the Mazurian Lakes; wooden churches near Zakopane; Auschwitz-Birkenau; Malbork Castle; Kazimierz Dolny; Slowinski national park; Wieliczka Salt Mine; Bialowieza national park; Bieszczady national park; Rynek Główny, Kraków, and much more. - Basics - essential pre-departure practical information including getting there, local trans-

port, accommodation, food and drink, health, the media, festivals, sports and outdoor activities and more. - Background information - a Contexts chapter devoted to history, books, music and film, plus a handy language section and glossary. Make the Most of Your Time on Earth with The Rough Guide to Poland

Among the many different approaches to "templating" with Perl--such as Embperl, Mason, HTML::Template, and hundreds of other lesser known systems--the Template Toolkit is widely recognized as one of the most versatile. Like other templating systems, the Template Toolkit allows programmers to embed Perl code and custom macros into HTML documents in order to create customized documents on the fly. But unlike the others, the Template Toolkit is as facile at producing HTML as it is at producing XML, PDF, or any other output format. And because it has its own simple templating language, templates can be written and edited by people who don't know Perl. In short, the Template Toolkit combines the best features of its competitors, with ease-of-use and flexibility, resulting in a technology that's fast, powerful and extensible, and ideally suited to the

production and maintenance of web content and other dynamic document systems. In Perl Template Toolkit you'll find detailed coverage of this increasingly popular technology. Written by core members of the technology's development team, the book guides you through the entire process of installing, configuring, using, and extending the Template Toolkit. It begins with a fast-paced but thorough tutorial on building web content with the Template Toolkit, and then walks you through generating and using data files, particularly with XML. It also provides detailed information on the Template Toolkit's modules, libraries, and tools in addition to a complete reference manual. Topics in the book include: Getting started with the template toolkit The Template language Template directives Filters Plugins Extending the Template Toolkit Accessing databases XML Advanced static web page techniques Dynamic web content and web applications The only book to cover this important tool, Perl Template Toolkit is essential reading for any Perl programmer who wants to create dynamic web content that is remarkably easy to maintain. This book is your surefire guide to implementing this fast, flexible,

and powerful templating system.

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

This set of 9 volumes, originally published between 1965 and 1991, amalgamates a wide breadth of research on John Milton, with a particular focus on his epic poem Paradise Lost. This collection of books from some of the leading scholars in the field provides a comprehensive overview of how Milton criticism has evolved over time, and will be of particular interest to students of English Literature.

Includes Part 1, Number 1 & 2: Books and Pamphlets, Including Serials and Contributions to Periodicals (January - December)

The purpose of this book is to collect contributions that are at the intersection of multi-objective optimization, swarm intelligence (specifically, particle swarm optimization and ant colony optimization) and

data mining.

Including problem-solving techniques and examples, a manual offers a hands-on

method to developing Internet applications compatible with Oracle's Web Application Server, featuring extensive program-

ming code demonstrating the use of Oracle's development tools. Original. (Advanced).