Mastering Oracle Sql Second Edition Sanjay Mishra Alan Beaulieu

Useful business analysis requires you to effectively transform data into actionable information. This book helps you use SQL and Excel to extract business information from relational databases and use that data to define business dimensions, store transactions about customers, produce results, and more. Each chapter explains when and why to perform a particular type of business analysis in order to obtain useful results, how to design and perform the analysis using SQL and Excel, and what the results should look like.

Understanding and implementing the database management systems concepts in SQL and PL/SQL KEY FEATURES ? Practice SQL concepts by writing queries and perform your own data visualization and analysis. ? Gain insights on Entity Relationship Model and how to implement in your business environment. ? Series of question banks and case-studies to develop strong hold on RDBMS concepts. DESCRIPTION Relational Database Management Systems In-Depth brings the fundamental concepts of database management systems to you in more elaborated learning with conceptual clarity of RDBMS. This book brings an extensive coverage of theoretical concepts on types of databases, concepts of relational database management systems, normalization and many more. You will explore exemplification of Entity Relational Model concepts that would teach the readers to design accurate business systems. Backed with a series of examples, you can practice the fundamental concepts of RDBMS and SQL queries including Oracle's SQL queries, MySQL and SQL Server. In addition to the

illustration of concepts on SQL, there is an implementation of crucial business rules using PL/SQL based stored procedures and database triggers.Finally, by the end of this book there is a mention of the useful data oriented technologies like Big Data, Data Lake etc and the crucial role played by such techniques in the current data driven decisions. Throughout the book, you will come across key learnings and key terms that will help you to understand and revise the concepts learned. Along with this, you will also come across questions and case studies by the end of every chapter to prepare for job interviews and certifications. WHAT YOU WILL LEARN ? Depiction of Entity Relationship Model with various business case studies. ? Illustration of the normalization concept to make the database stronger and consistent. ? Designing the successful client-server applications using PL/SQL concepts. ? Learning the concepts of OODBS and Database Design with Normalization and Relationships. ? Knowing various techniques regarding Big Data technologies like Hadoop, MapReduce and MongoDB. WHO THIS BOOK IS FOR This book is meant for academicians, students, developers and administrators including beginners and readers experienced in some other programming languages and database systems. TABLE OF CONTENTS 1. Database Systems Architecture 2. Database Management System Models 3. Relational query languages 4. Relational Database Design 5. Query Processing and Optimization 6. Transaction Processing 7. Implementation Techniques 8. SQL Concepts 9. PL/SQL Concepts 10. Collections in PL/SQL 11. What Next?

Despite its wide availability and usage, few developers and DBAs have mastered the true power of Oracle SQLPlus. This bestselling book--now updated for Oracle 10g--is the only in-depth guide to this interactive query tool for writing SQL scripts. It's an essential resource for

any Oracle user.The new second edition of Oracle SQLPlus: The Definitive Guide clearly describes how to perform, step-by-step, all of the tasks that Oracle developers and DBAs want to perform with SQLPlus--and maybe some you didn't realize you could perform.With Oracle SQLPlus: The Definitive Guide, you'll expertly: write and execute script files generate ad hoc reports extract data from the database query the data dictionary tables customize an SQLPlus environment and much more It also includes a handy quick reference to all of its syntax options and an often-requested chapter on SQL itself, along with a clear, concise, and complete introduction.This book is truly the definitive guide to SQLPlus. It's an indispensable resource for those who are new to SQL*Plus, a task-oriented learning tool for those who are already using it, and an immediately useful quick reference for every user. If you want to leverage the full power and flexibility of this popular Oracle tool, you'll need this book.

Master Oracle GoldenGate technology on multiple database platforms using this step-by-step implementation guide. Learn about advanced features to use in building a robust, high-availability replication system. Provided are detailed illustration of Oracle GoldenGate concepts, GoldenGate tools and add-ons, as well as illustrative examples. The book covers Oracle GoldenGate for Oracle database, and also discusses setup and configuration for other common databases such as IBM DB2, SYBASE ASE, MySQL, and Microsoft SQL Server. The technology landscape is fast-changing, and Mastering Oracle GoldenGate stays current by covering the new features included in Oracle GoldenGate 12c. The book covers both classic capture and integrated capture, as well as delivery. Also covered are Oracle GoldenGate security and performance tuning, to keep your system secure and performing at its best. You will learn to monitor your GoldenGate system using tools that come with Oracle GoldenGate

management pack, as well as using shell scripts. Troubleshooting is well-illustrated with examples: Covering Oracle GoldenGate technology across common database brands Discussing high-performing and secure replication environments Speaking to replication in Big Data and cloud computing environments What You Will Learn Implement Oracle GoldenGate for real time replication Secure and tune your replication environment for high performance Administer your Oracle GoldenGate environment Learn troubleshooting approaches with help of examples Make use of GoldenGate Management Pack and its API Feed live data into Big Data and cloud-based systems Who This Book Is For Database professionals who have chosen to ride the Oracle GoldenGate roller coaster for real-time replication solutions. The book is for beginners as well as professionals who are willing to master the leading replication technology in the industry. It is an excellent choice for professionals who are implementing or maintaining Oracle GoldenGate replication environments on any of the major database management system platforms.

Explores Oracle's implementation of SQL and explains how to perform tasks including querying time-based data, implementing conditional logic in queries, writing queries, and joining data from two or more tables.

An interactive guide to Oracle's intensive query tool, SQL* Plus, discusses its powerful features, furnishes a syntax quick reference, and explains how to write and execute script files, generate reports, extract data from the database, utilize new administrative features, query data dictionary tables, and more. Original. (Intermediate)

This pocket guide presents the most crucial information about SQL in a compact and easily accessible format, covering the four commonly used SQL variants--Oracle, IBM DB2, Microsoft

SQL Server, and MySQL. Topics include: Data manipulation statements (SELECT, DELETE, INSERT, UPDATE, MERGE) and transaction control statements (START TRANSACTION, SAVEPOINT, COMMIT, ROLLBACK). Common SQL functions (date, numeric, math, trigonometric, string, conversion, aggregate) Such topics as literals, NULLs, CASE expressions, datatype conversion, regular expressions, grouping and summarizing data, joining tables, and writing queries (hierarchical, recursive, union, flashback) and subqueries. Instead of presenting complex and confusing syntax diagrams, the book teaches by example, showing the SQL statements and options that readers are most like to use. All example data is available on the O'Reilly web site. "If you need fast, accurate SQL information, with examples for multiple database engines, be sure to check out this book."--Chris Kempster, Senior DBA and author of SQL Server 2000 for the Oracle DBA, www.chriskempster.com

Design Databases with Oracle SQL Developer Data Modeler In this practical guide, Oracle ACE Director Heli Helskyaho explains the process of database design using Oracle SQL Developer Data Modeler—the powerful, free tool that flawlessly supports Oracle and other database environments, including Microsoft SQL Server and IBM DB2. Oracle SQL Developer Data Modeler for Database Design Mastery covers requirement analysis, conceptual, logical, and physical design, data warehousing, reporting, and more. Create and deploy high-performance enterprise databases on any platform using the expert tips and best practices in this Oracle Press book. Configure Oracle SQL Developer Data Modeler Perform requirement analysis Translate requirements into a formal conceptual data model and process models Transform the conceptual (logical) model into a relational model Manage physical database design Generate data definition language (DDL) scripts to create database objects Design a

data warehouse database Use subversion for version control and to enable a multiuser environment Document an existing database Use the reporting tools in Oracle SQL Developer Data Modeler Compare designs and the database

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of Beginning Oracle SQL for Oracle Database 18c is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get

data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables,

constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Despite the wide use of SQL *Plus, few developers and database administrators know how powerful it really is. And the syntax can sometimes be tricky. This portable guide provides a quick reference to subjects such as interacting with SQL *Plus, selecting data, formatting reports, writing scripting, and tuning SQL. There's also a command reference.

Mastering Oracle SQLPutting Oracle SQL to Work"O'Reilly Media, Inc."

Client/server computing is the hottest trend in information systems today, and Oracle7 is one of the most popular servers at the heart of such client/server systems. This book

delivers a broad but comprehensive explanation of Oracle7 features, focusing on those that are important for client/server configurations. It also discusses the other components of an Oracle7 client/server database system.

The vast majority of Oracle SQL books discuss some syntax, provide the barest rudiments of using Oracle SQL, and perhaps include a few simple examples. It might be enough to pass a survey course, or give you some buzz words to drop in conversation with real Oracle DBAs. But if you use Oracle SQL on a regular basis, you want much more. You want to access the full power of SQL to write queries in an Oracle environment. You want a solid understanding of what's possible with Oracle SQL, creative techniques for writing effective and accurate queries, and the practical, hands-on information that leads to true mastery of the language. Simply put, you want useful, expert best practices that can be put to work immediately, not just non-vendor specific overview or theory.Updated to cover the latest version of Oracle, Oracle 10g, this edition of the highly regarded Mastering Oracle SQL has a stronger focus on technique and on Oracle's implementation of SQL than any other book on the market. It covers Oracle s vast library of built-in functions, the full range of Oracle SQL query-writing features, regular expression support, new aggregate and analytic functions, subqueries in the SELECT and WITH clauses, multiset union operators, enhanced support for hierarchical queries: leaf and loop detection, and the CONNECT_BY_ROOT operator, new partitioning methods (some introduced in Oracle9i Release 2), and the

native XML datatype, XMLType.Mastering Oracle SQL, 2nd Edition fills the gap between the sometimes spotty vendor documentation, and other books on SQL that just don't explore the full depth of what is possible with Oracle-specific SQL. For those who want to harness the untapped (and often overlooked) power of Oracle SQL, this essential guide for putting Oracle SQL to work will prove invaluable.

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

If you are a GIS professional, a consultant, a student, or perhaps a fast learner who wants to go beyond the basics of QGIS, then this book is for you. It will prepare you to realize the full potential of QGIS.

A complete reference to the accelerated programming tools built into the PL/SQL language, including those new to Oracle 8, is paired with a diskette providing easy access to the source code and document files developed by the authors. Original. (Advanced).

Schedule, manage, and execute jobs that automate your business processes using Oracle Scheduler with this book and eBook

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 Language of SQL, Second Edition Many SQL texts attempt to serve as an encyclopedic reference on SQL syntax -- an approach that is often counterproductive, because that information is readily available in online references published by the major database vendors. For SQL beginners, it's more important for a book to focus on general concepts and to offer clear explanations and examples of what various SQL statements can accomplish. This is that book. A number of features make The Language of SQL unique among introductory SQL books. First, you will not be required to download software or sit with a computer as you read the text. The intent of this book is to provide examples of SQL usage that can be understood simply by reading. Second, topics are organized in an intuitive and logical sequence. SQL keywords are introduced one at a time, allowing you to grow your understanding as you encounter new terms and concepts. Finally, this book covers the syntax of three widely used databases: Microsoft SQL Server, MySQL, and Oracle. Special "Database Differences" sidebars clearly show you any differences in syntax among these three databases, and instructions are included on how to obtain and install free versions of the databases. This is the only book you need to gain a quick working knowledge of SQL and relational databases. ·Learn How To... Use SQL to retrieve data from relational databases Apply functions and

calculations to data Group and summarize data in a variety of useful ways Use complex logic to retrieve only the data you need Update data and create new tables Design relational databases so that data retrieval is easy and intuitive Use spreadsheets to transform your data into meaningful displays Retrieve data from multiple tables via joins, subqueries, views, and set logic Create, modify, and execute stored procedures Install Microsoft SQL Server, MySQL, or Oracle Practical SQL is an approachable and fast-paced guide to SQL (Structured Query Language), the standard programming language for defining, organizing, and exploring data in relational databases. The book focuses on using SQL to find the story your data tells, with the popular open-source database PostgreSQL and the pgAdmin interface as its primary tools. You'll first cover the fundamentals of databases and the SQL language, then build skills by analyzing data from the U.S. Census and other federal and state government agencies. With exercises and real-world examples in each chapter, this book will teach even those who have never programmed before all the tools necessary to build powerful databases and access information quickly and efficiently. You'll learn how to: - Create databases and related tables using your own data - Define the right data types for your information - Aggregate, sort, and filter data to find patterns - Use basic math and advanced statistical functions - Identify errors in

data and clean them up - Import and export data using delimited text files - Write queries for geographic information systems (GIS) - Create advanced queries and automate tasks Learning SQL doesn't have to be dry and complicated. Practical SQL delivers clear examples with an easy-to-follow approach to teach you the tools you need to build and manage your own databases. This book uses PostgreSQL, but the SQL syntax is applicable to many database applications, including Microsoft SQL Server and MySQL.

Updated to include the new features introduced in PostgreSQL 13, this book shows you how to build better PostgreSQL applications and administer your PostgreSQL database efficiently. You'll master the advanced features of PostgreSQL and develop the skills you need to build secure and highly available database solutions.

Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, Learning SQL, Second Edition, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of

each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly learn how to put the power and flexibility of this language to work.

Twitter is not just for talking about your breakfast anymore. It’s become an indispensable communications tool for businesses, non-profits, celebrities, and people around the globe. With the second edition of this friendly, full-color guide, you’ll quickly get up to speed not only on standard features, but also on new options and nuanced uses that will help you tweet with confidence. Co-written by two widely recognized Twitter experts, The Twitter Book is packed with all-new real-world examples, solid advice, and clear explanations guaranteed to turn you into a power user. Use Twitter to connect with colleagues, customers, family, and friends Stand out on Twitter Avoid common gaffes and pitfalls Build a critical communications channel with Twitter—and use the best third-party tools to

manage it. Want to learn how to use Twitter like a pro? Get the book that readers and critics alike rave about.

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

As data floods into your company, you need to put it to work right away—and SQL is the best tool for the job. With the latest edition of this introductory guide, author Alan Beaulieu helps developers get up to speed with SQL fundamentals for writing database applications, performing administrative tasks, and generating reports. You'll find new chapters on SQL and big data, analytic functions, and working with very large databases. Each chapter presents a self-contained lesson on a key SQL concept or technique using numerous illustrations and annotated examples. Exercises let you practice the skills you learn. Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly discover how to put the power and flexibility of this language to work. Move quickly through SQL basics and several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints with SQL schema statements Learn how datasets interact with queries; understand the importance of subqueries Convert and manipulate data with SQL's built-in functions and use conditional logic in

data statements

Oracle system performance inefficiencies often go undetected for months or even years--even under intense scrutiny--because traditional Oracle performance analysis methods and tools are fundamentally flawed. They're unreliable and inefficient.Oracle DBAs and developers are all too familiar with the outlay of time and resources, blown budgets, missed deadlines, and marginally effective performance fiddling that is commonplace with traditional methods of Oracle performance tuning. In this crucial book, Cary Millsap, former VP of Oracle's System Performance Group, clearly and concisely explains how to use Oracle's response time statistics to diagnose and repair performance problems. Cary also shows how "queueing theory" can be applied to response time statistics to predict the impact of upgrades and other system changes.Optimizing Oracle Performance eliminates the time-consuming, trial-and-error guesswork inherent in most conventional approaches to tuning. You can determine exactly where a system's performance problem is, and with equal importance, where it is not, in just a few minutes--even if the problem is several years old.Optimizing Oracle Performance cuts a path through the complexity of current tuning methods, and streamlines an approach that focuses on optimization techniques that any DBA can use quickly and successfully to make noticeable--even

dramatic--improvements.For example, the one thing database users care most about is response time. Naturally, DBAs focus much of their time and effort towards improving response time. But it is entirely too easy to spend hundreds of hours to improve important system metrics such as hit ratios, average latencies, and wait times, only to find users are unable to perceive the difference. And an expensive hardware upgrade may not help either.It doesn't have to be that way. Technological advances have added impact, efficiency, measurability, predictive capacity, reliability, speed, and practicality to the science of Oracle performance optimization. Optimizing Oracle Performance shows you how to slash the frustration and expense associated with unraveling the true root cause of any type of performance problem, and reliably predict future performance.The price of this essential book will be paid back in hours saved the first time its methods are used.

Write powerful queries using as much of the feature-rich Oracle SQL language as possible, progressing beyond the simple queries of basic SQL as standardized in SQL-92. Both standard SQL and Oracle’s own extensions to the language have progressed far over the decades in terms of how much you can work with your data in a single, albeit sometimes complex, SQL statement. If you already know the basics of SQL, this book provides many examples of how to write even more

advanced SQL to huge benefit in your applications, such as: Pivoting rows to columns and columns to rows Recursion in SQL with MODEL and WITH clauses Answering Top-N questions Forecasting with linear regressions Row pattern matching to group or distribute rows Using MATCH_RECOGNIZE as a row processing engine The process of starting from simpler statements in SQL, and gradually working those statements stepwise into more complex statements that deliver powerful results, is covered in each example. By trying out the recipes and examples for yourself, you will put together the building blocks into powerful SQL statements that will make your application run circles around your competitors. What You Will Learn Take full advantage of advanced and modern features in Oracle SQL Recognize when modern SQL constructs can help create better applications Improve SQL query building skills through stepwise refinement Apply set-based thinking to process more data in fewer queries Make cross-row calculations with analytic functions Search for patterns across multiple rows using row pattern matching Break complex calculations into smaller steps with subquery factoring Who This Book Is For Oracle Database developers who already know some SQL, but rarely use features of the language beyond the SQL-92 standard. And it is for developers who would like to apply the more modern features of Oracle SQL, but don’t know where to start. The book also is

for those who want to write increasingly complex queries in a stepwise and understandable manner. Experienced developers will use the book to develop more efficient queries using the advanced features of the Oracle SQL language. In this book, Steven Feuerstein, widely recognized as one of the world's experts on the Oracle PL/SQL language, distills his many years of programming, writing, and teaching about PL/SQL into a set of PL/SQL language "best practices"--rules for writing code that is readable, maintainable, and efficient. Too often, developers focus on simply writing programs that run without errors--and ignore the impact of poorly written code upon both system performance and their ability (and their colleagues' ability) to maintain that code over time.Oracle PL/SQL Best Practices is a concise, easy-to-use reference to Feuerstein's recommendations for excellent PL/SQL coding. It answers the kinds of questions PL/SQL developers most frequently ask about their code: How should I format my code? What naming conventions, if any, should I use? How can I write my packages so they can be more easily maintained? What is the most efficient way to query information from the database? How can I get all the developers on my team to handle errors the same way? The book contains 120 best practices, divided by topic area. It's full of advice on the program development process, coding style, writing SQL in PL/SQL, data structures, control structures, exception handling,

program and package construction, and built-in packages. It also contains a handy, pull-out quick reference card. As a helpful supplement to the text, code examples demonstrating each of the best practices are available on the O'Reilly web site.Oracle PL/SQL Best Practices is intended as a companion to O'Reilly's larger Oracle PL/SQL books. It's a compact, readable reference that you'll turn to again and again--a book that no serious developer can afford to be without.

If you are a developer who is familiar with Ext JS and want to augment your skills to create even better web applications, this is the book for you. Basic knowledge of JavaScript/HTML/CSS and any server-side language (PHP, Java, C#, Ruby, or Python) is required.

Pro Oracle SQL unlocks the power of SQL in the Oracle Database—one of the most potent SQL implementations on the market today. To master it requires a three-pronged approach: learn the language features, learn the supporting features that Oracle provides to help use the language effectively, and learn to think and work in sets. Karen Morton and her team help you master powerful aspects of Oracle SQL not found in competing databases. You'll learn analytic functions, the MODEL clause, and advanced grouping syntax—features that will help in creating good queries for reporting and business intelligence applications. Pro Oracle SQL also helps you minimize parsing overhead, read execution plans,

test for correct results, and exert control over SQL execution in your database. You'll learn when to create indexes, how to verify that they make a difference, how to use SQL Profiles to optimize SQL in packaged applications, and much more. You'll also understand how SQL is optimized for working in sets, and that the key to getting accurate results lies in making sure that queries ask clear and precise questions. What's the bottom-line? Pro Oracle SQL helps you work at a truly professional level in Oracle dialect of SQL. You'll master the language, the tools to work effectively with the language, and the right way to think about a problem in SQL. Pro Oracle SQL helps you rise above the crowd to provide stellar service in your chosen profession. Endorsed by the OakTable Network, a group of Oracle technologists well-known for their rigorous and scientific approach to Oracle Database performance Comprehensive—goes beyond the language with a focus on what you need to know to write successful queries and data manipulation statements.

*Ideal for anyone who wants to learn SQL programming for Oracle database. *Author has 25 years of teaching experience; 14 years of curriculum develoment experience; 14 years of experience with the Orcle database. *Book can be used as collateral/handouts for SQL training courses at universities/ high schools. This book is packed with real world examples that cover all the advanced

features of PL/SQL. In turn, each major certification topic is covered in a separate chapter that makes understanding concepts easier. At the end of each chapter, you will find plenty of practice questions to strengthen and test your learning.If you are a PL/SQL developer looking for deeper insight and a move from mid-level programmer to professional database developer, then this is the best guide for you. This book is also an ideal guide for all the Associate level PL/SQL programmers who are preparing for the Professional 1Z0-146 certification. This book assumes you have prior knowledge of PL/SQL programming.

Murach's Oracle SQL and PL: SQL for Developers By Joel Murac

Presents an instructional guide to SQL which uses humor and simple images to cover such topics as the structure of relational databases, simple and complex queries, creating multiple tables, and protecting important table data.

SQL (Structured Query Language), the heart of a relational database management system, is the language used to query the database, to create new tables in the database, to update and delete fields, and to set access privileges. Aimed at everyone who needs to access an Oracle database using SQL, including developers, DBAs, designers, and managers, this book delivers all the information they need to know about standard SQL, and Oracle's extensions to it.

There are many options these days for measuring and monitoring Oracle®

Database application performance. This book is about the one that endures as the best foundation there is for understanding Oracle performance: the Oracle extended SQL trace feature. This book is the course book for the 1-day "Mastering Oracle Trace Data" course taught by the author, Cary Millsap. It is not a book about discarding your Oracle fixed views or your monitoring tools that poll them. It is a book about how to look at Oracle performance another way, a way that has worked extraordinarily well for many of us. It's about new ways of thinking about performance using new tools for understanding aspects of your applications that you've never understood before. Contents include: Chapter 1 "Thinking Clearly about Performance" - over twenty brief sections that prescribe a coherent framework for understanding all aspects of performance beginning with foundational definitions. Chapter 2 "Making Friends with the Oracle Database" - a sequence of case studies illustrating the use of Oracle extended SQL trace data in the performance problem diagnosis and repair context. Chapter 3 "Oracle Extended SQL Trace" - a detailed explanation of where Oracle's trace data elements come from and how to assemble them into a trustworthy description of how applications consume time. Chapter 4 "Oracle Database Timed Event Reference" - an overview of what the Oracle timed events mean, how to learn more than your documentation can tell you, and how to respond to problems

caused by excessive call counts or excessive call latencies. Chapter 5 "Cases in Oracle Trace Data Analysis" - seven case studies illustrating how to use the Method R Tools commercial software package (not included with the book) to analyze and solve problems with Oracle-based application performance.
There are many options these days for measuring and monitoring Oracle(r) Database application performance. This book is about the one that endures as the best foundation there is for understanding Oracle performance: the Oracle extended SQL trace feature. This book is the course book for the 1-day "Mastering Oracle Trace Data" course taught by the author, Cary Millsap. It is not a book about discarding your Oracle fixed views or your monitoring tools that poll them. It is a book about how to look at Oracle performance another way, a way that has worked extraordinarily well for many of us. It's about new ways of thinking about performance using new tools for understanding aspects of your applications that you've never understood before. Contents include: Part one - A coherent framework for understanding all aspects of performance beginning with foundational definitions, case studies illustrating the use of Oracle extended SQL trace data in the performance problem and repair context, detailed descriptions of how to create and obtain extended SQL trace data in different languages and application contexts, detailed explanations of how to understand the story that

the trace data is trying to tell you, detailed reference material about Oracle timing measurements and how to use them. Part two - Over 100 pages of worked examples (case studies) illustrating how to analyze and solve performance problems with Oracle-based applications, using the Method R Profiler, Method R Tools, and Method R Trace commercial software packages. Part three - A perspective on why trace files are still important in this modern age of ASH and AWR, and a list of explanations by dozens of Oracle professionals about why they use trace data today.

This book includes the newly introduced features in PostgreSQL 11, and shows you how to build better PostgreSQL applications, and administer your PostgreSQL database efficiently. You will master the advanced features of PostgreSQL and acquire the necessary skills to build efficient database solutions.

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and

system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets—Spark's core APIs—through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation