

Of Mastering Oracle Pl Sql Practical Solutions

The book has been written to provide an excellent grounding to those who wish to learn database technologies using Oracle. This book has several illustrative examples, which have a logical link between them. Each set of examples helps build skills that will take the reader to the next set of examples, which in turn leads upwards until a strong programming foundation using the natural language of Oracle has been established. The learning of database technologies is done through the construction of Retail Banking System. The skill thus developed are strengthened and grown via hands on exercises based on the construction of Sales Order System.

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

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. Oracle Languages - Syntax summary for SQL language statements, SQL function calls PL/SQL language statements and characteristics, PL/SQL built-in package headers, and Java (JDBC and SQLJ) interfaces to the Oracle database.

Oracle and PL/SQL Recipes

Pocket Reference

SQL and Relational Theory

The Essential Reference

The Definitive Guide

Covers Versions Through Oracle Database 11g Release 2

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)

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.

This book is the definitive reference on PL/SQL, considered throughout the database community to be the best Oracle programming book available. Like its predecessors, this fifth edition of Oracle PL/SQL Programming covers language fundamentals, advanced coding techniques, and best practices for using Oracle's powerful procedural language. Thoroughly updated for Oracle Database 11g Release 2, this edition reveals new PL/SQL features and provides extensive code samples, ranging from simple examples to complex and complete applications, in the book and on the companion website. This indispensable reference for both novices and experienced Oracle programmers will help you: Get PL/SQL programs up and running quickly, with clear instructions for executing, tracing, testing, debugging, and managing PL/SQL code Optimize PL/SQL performance with the aid of a brand-new chapter in the fifth edition Explore datatypes, conditional and sequential control statements, loops, exception handling, security features, globalization and localization issues, and the PL/SQL architecture Understand and use new Oracle Database 11g features, including the edition-based redefinition capability, the function result cache, the new CONTINUE statement, fine-grained dependency tracking, sequences in PL/SQL expressions, supertype invocation from subtypes, and enhancements to native compilation, triggers, and dynamic SQL Use new Oracle Database 11g tools and techniques such as PL/Scope, the PL/SQL hierarchical profiler, and the SecureFiles technology for large objects Build modular PL/SQL applications using procedures, functions, triggers, and packages

*Ideal for anyone who wants to learn SQL programming for Oracle database.

*Author has 25 years of teaching experience; 14 years of curriculum development experience; 14 years of experience with the Oracle database.

*Book can be used as collateral/handouts for SQL training courses at universities/ high schools.

Oracle Database 11g SQL

Mastering Database Technologies

Oracle in a Nutshell

Optimizing Oracle Code

Mastering Oracle SQL

Oracle PL/SQL Programming

Write powerful SQL statements and PL/SQL programs Learn to access Oracle databases through SQL statements and construct PL/SQL programs with guidance from Oracle expert, Jason Price. Published by Oracle

Press, Oracle Database 11g SQL explains how to retrieve and modify database information, use SQL Plus and SQL Developer, work with database objects, write PL/SQL programs, and much more. Inside, you'll find in-depth coverage of the very latest SQL features and tools, performance optimization techniques, advanced queries, Java support, and XML. This book contains everything you need to master SQL. Explore SQL Plus and SQL Developer Use SQL SELECT, INSERT, UPDATE, and DELETE statements Write PL/SQL programs Create tables, sequences, indexes, views, and triggers Write advanced queries containing complex analytical functions Create database objects and collections to handle abstract data Use large objects to handle multimedia files containing music and movies Write Java programs to access an Oracle Database using JDBC Tune your SQL statements to make them execute faster Explore the XML capabilities of the Oracle Database Master the very latest Oracle Database 11g features, such as PIVOT and UNPIVOT, flashback archives, and much more

Written in lucid language, this valuable textbook brings together fundamental concepts of data mining and data warehousing in a single volume. Important topics including information theory, decision tree, Naïve Bayes classifier, distance metrics, partitioning clustering, associate mining, data marts and operational data store are discussed comprehensively. The textbook is written to cater to the needs of undergraduate students of computer science, engineering and information technology for a course on data mining and data warehousing. The text simplifies the understanding of the concepts through exercises and practical examples. Chapters such as classification, associate mining and cluster analysis are discussed in detail with their practical implementation using Weka and R language data mining tools. Advanced topics including big data analytics, relational data models and NoSQL are discussed in detail. Pedagogical features including unsolved problems and multiple-choice questions are interspersed throughout the book for better understanding.

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 World's #1 Hands-On Oracle SQL Workbook—Fully Updated for Oracle 11g Crafted for hands-on learning and tested in classrooms worldwide, this book illuminates in-depth every Oracle SQL technique you'll need. From the simplest query fundamentals to regular expressions and with newly added coverage of Oracle's powerful new SQL Developer tool, you will focus on the tasks that matter most. Hundreds of step-by-step, guided lab exercises will systematically strengthen your expertise in writing effective, high-performance SQL. Along the way, you'll acquire a powerful arsenal of useful skills—and an extraordinary library of solutions for your real-world challenges with Oracle SQL. Coverage includes 100% focused on Oracle SQL for Oracle 11g, today's #1 database platform—not “generic” SQL! Master all core SQL techniques

including every type of join such as equijoins, self joins, and outer joins Understand Oracle functions in depth, especially character, number, date, timestamp, interval, conversion, aggregate, regular expressions, analytical, and more Practice all types of subqueries, such as correlated and scalar subqueries, and learn about set operators and hierarchical queries Build effective queries and learn fundamental Oracle SQL Developer and SQL*Plus skills Make the most of the Data Dictionary and create tables, views, indexes, and sequences Secure databases using Oracle privileges, roles, and synonyms Explore Oracle 11g's advanced data warehousing features Learn many practical tips about performance optimization, security, and architectural solutions Avoid common pitfalls and understand and solve common mistakes For every database developer, administrator, designer, or architect, regardless of experience!

RDBMS In-Depth

Mastering the Full Power of Oracle Database

Oracle 12c: SQL

Oracle SQL

Practical Oracle SQL

Pro Oracle SQL

Tom Kyte of Oracle Magazine's "Ask Tom" column has written the definitive guide to designing and building high-performance, scalable Oracle applications. The book covers schema design, SQL and PL/SQL, tables and indexes, and much more. From the exclusive publisher of Oracle Press books, this is a must-have resource for all Oracle developers and DBAs. 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.

Learn how to most effectively use PL/SQL programming language with one of the most popular and widely-used software programs in large companies today -- Oracle11g. ORACLE 11G: PL/SQL PROGRAMMING & ORACLE CD, 2E uses Oracle 11g to provide an overview of the PL/SQL programming language from a developer's perspective. The author begins with a step-by-step expanded introduction to fundamental PL/SQL concepts before progressing to the writing and testing of PL/SQL code. This edition also covers more advanced topics, such as Dynamic SQL and code tuning, as well as developments in bulk processing, compound triggers, PL/SQL compiler features and hiding source code. Updates reflect the latest Oracle 11g release with the most recent figures and examples using the user-friendly SQL Developer tool. A wealth of real-world examples, a straightforward presentation, and accompanying Oracle CD make this book is an invaluable resource in preparing for the new Oracle Certification exam or mastering the PL/SQL programming language with Oracle. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The fourth edition of this popular pocket guide provides quick-reference information that will help you use Oracle's PL/SQL language, including the newest Oracle Database 11g features. It's a companion to Steven Feuerstein and Bill Pribyl's bestselling Oracle PL/SQL Programming. This concise guide boils down the most vital PL/SQL information into an accessible summary of: Fundamental language elements (e.g., block structure, datatypes, declarations) Statements for program control, cursor management, and exception handling Records, procedures, functions, triggers, and packages Calling PL/SQL functions in SQL Compilation options, object-oriented features, collections, and Java integration The new edition describes such Oracle Database 11g elements as PL/SQL's function result cache, compound triggers, the CONTINUE statement, the SIMPLE_INTEGER datatype, and improvements to native compilation, regular expressions, and compiler optimization (including intra-unit inlining). In addition, this book now includes substantial new sections on Oracle's built-in functions and packages. When you need answers quickly, the Oracle PL/SQL Language Pocket Reference will save you hours of frustration.

Oracle® PL/SQL by Example, Fifth Edition

Oracle Database 11g PL/SQL Programming Workbook

Mastering SQL and PL/SQL Concepts, Database Design, ACID Transactions, and Practice Real Implementation of RDBM (English Edition)

Practical Solutions

Data Mining and Data Warehousing

Mastering Oracle Scheduler in Oracle 11g Databases

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.

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

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. When your database application isn't running fast enough, troubleshooting is usually your first move. Finding the slow part of an application is often easy, but discovering a solution can prove much more difficult. Troubleshooting Oracle Performance helps by providing a systematic approach to addressing the underlying causes of poor database application performance. Written for developers by an application developer who has learned by doing, this book shows you how to plan for performance as you would for any other application requirement.

Mastering Oracle PL/SQL

PL/SQL Programming

Oracle SQL*Plus

Troubleshooting Oracle Performance

Oracle PL/SQL Language Pocket Reference

Principles and Practical Techniques

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.

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

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.

Ramp Up Your PL/SQL Programming Skills Master PL/SQL through the hands-on exercises, extensive examples, and real-world projects inside this Oracle Press guide. Filled with best practices, Oracle Database 11g PL/SQL Programming Workbook covers all the latest features and enhancements of the language. Mastery checks at the end of each chapter reinforce the material covered, and sample code from the book is available for download. Even experienced Oracle professionals will benefit from this practical resource. Understand the Oracle development architecture and the mechanics of connections Work with data types, structures, blocks, cursors, and PL/SQL semantics Write, deploy, and use functions, procedures, and packages Manage transactions and more Use dynamic SQL statements in real-world applications Support online transaction processing and data warehousing applications with external tables Find syntax samples and best practices to solve problems Write, deploy, and use object types For a complete list of Oracle Press titles, visit www.OraclePressBooks.com

Mastering Oracle SQL [electronic Resource]

A Problem-Solution Approach

Oracle PL/SQL by Example

Mastering Regular Expressions

Learning SQL

Using PL/SQL for Oracle Database 12 c, you can build solutions that deliver unprecedented performance and efficiency in any environment, including the cloud. Oracle® PL/SQL by Example, Fifth Edition, teaches all the PL/SQL skills you'll need, through real-world labs, extensive examples, exercises, and projects. Now fully updated for the newest version of PL/SQL, it covers everything from basic syntax and program control through the latest optimization and security enhancements. Step by step, you'll walk through every key task, mastering today's most valuable Oracle 12 c PL/SQL programming techniques on your own. Start by downloading projects and exercises from informit.com/title/0133796787. Once you've done an exercise, the authors don't just present the answer: They offer an in-depth discussion introducing deeper insights and modern best practices. This book's approach fully reflects the authors' award-winning experience teaching PL/SQL to professionals at Columbia University. New database developers and DBAs can use it to get productive fast; experienced PL/SQL programmers will find it to be a superb Oracle Database 12 c solutions reference. New in This Edition Updated code examples throughout Result-caching of invoker's right functions for better performance Extended support for PL/SQL-only data types in dynamic SQL, OCI, and JDBC Security enhancements, including ACCESSIBLE BY whitelists, improved privilege control, and Invisible Columns Other topics covered Mastering basic PL/SQL concepts and language fundamentals, and understanding SQL's role in PL/SQL Using conditional and iterative program control, including CONTINUE and CONTINUE WHEN Efficiently handling errors and exceptions Working with cursors and triggers, including compound triggers Using stored procedures, functions, and packages to write modular code that other programs can run Working with collections, object-relational features, native dynamic SQL, bulk SQL, and other advanced features.

From the authorized Oracle Press comes a complete guide to developing robust PL/SQL applications. The book contains new information on development tools, datatypes, SQL commands and functions, and much more. The CD-ROM contains sample code plus a sampling of development environments covered in the book.

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.

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.

Mastering Oracle GoldenGate

Mastering Oracle SQL and SQL*Plus

Oracle SQL by Example

Oracle PL/SQL Best Practices

Oracle 10g Developer

Murach's Oracle SQL and PL SQL for Developers

SQL is full of difficulties and traps for the unwary. You can avoid them if you understand relational theory, but only if you know how to put the theory into practice. In this insightful book, author C.J. Date explains relational theory in depth, and demonstrates through numerous examples and exercises how you can apply it directly to your use of SQL. This second edition includes new material on recursive queries, "missing information" without nulls, new update operators, and topics such as aggregate operators, grouping and ungrouping, and view updating. If you have a modest-to-advanced background in SQL, you'll learn how to deal with a host of common SQL dilemmas. Why is proper column naming so important? Nulls in your database are causing you to get wrong answers. Why? What can you do about it? Is it possible to write an SQL query to find employees who have never been in the same department for more than six months at a time? SQL supports "quantified comparisons," but they're better avoided. Why? How do you avoid them? Constraints are crucially important, but most SQL products don't support them properly. What can you do to resolve this situation? Database theory and practice have evolved since the relational model was developed more than 40 years ago. SQL and Relational Theory draws on decades of research to present the most up-to-date treatment of SQL available. C.J. Date has a stature that is unique within the database industry. A prolific writer well known for the bestselling textbook An Introduction to Database Systems (Addison-Wesley), he has an exceptionally clear style when writing about complex principles and theory.

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.

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.

This integrated learning solution teaches all the Oracle PL/SQL skills you need, hands-on, through real-world labs, extensive examples, exercises, and projects! Completely updated for Oracle 11g, Oracle PL/SQL by Example , Fourth Edition covers all the fundamentals, from PL/SQL syntax and program control through packages and Oracle 11g's significantly improved triggers. One step at a time, you'll walk through every key task, discovering the most important PL/SQL programming techniques on your own. Building on your hands-on learning, the authors share solutions that offer deeper insights and proven best practices. End-of-chapter projects bring together all the techniques you've learned, strengthening your understanding through real-world practice. This book's approach fully reflects the authors' award-winning experience teaching PL/SQL programming to professionals at Columbia University. New database developers

and DBAs can use its step-by-step instructions to get productive fast; experienced PL/SQL programmers can use this book as a practical solutions reference. Coverage includes • Mastering basic PL/SQL concepts and general programming language fundamentals, and understanding SQL's role in PL/SQL • Using conditional and iterative program control techniques, including the new CONTINUE and CONTINUE WHEN statements • Efficiently handling errors and exceptions • Working with cursors and triggers, including Oracle 11g's powerful new compound triggers • Using stored procedures, functions, and packages to write modular code that other programs can execute • Working with collections, object-relational features, native dynamic SQL, bulk SQL, and other advanced PL/SQL capabilities • Handy reference appendices: PL/SQL formatting guide, sample database schema, ANSI SQL standards reference, and more

Mastering Oracle 6.0

*PRO*C, PL/SQL, SQL*FORMS 3.0*

Generating Optimal Execution Plans

Oracle Advanced PL/SQL Developer Professional Guide

SQL Tuning

Oracle 11g: PL/SQL Programming

Oracle PL/SQL Recipes is your go to book for PL/SQL programming solutions. It takes a task-oriented approach to PL/SQL programming that lets you quickly look up a specific task and see the pattern for a solution. Then it's as simple as modifying the pattern for your specific application and implementing it. And you're done and home for dinner. Oracle PL/SQL Recipes is another in Apress' ongoing series of recipe books aimed at Oracle practitioners. The recipe format is ideal for the busy professional who just needs to get the job done. Covers the most common PL/SQL programming problems Presents solutions in ready-to-use format Stays short and to-the-point

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.

Introduces regular expressions and how they are used, discussing topics including metacharacters, nomenclature, matching and modifying text, expression processing, benchmarking, optimizations, and loops. Learn how to use the PL/SQL programming language effectively, using one of the most popular and widely-used software programs in large companies today. Oracle 10g Developer: PL/SQL Programming uses Oracle 10g to provide an overview of the PL/SQL programming language, beginning with fundamental PL/SQL concepts and progressing to the writing and testing of PL/SQL code. The book then progresses to more advanced topics, such as Dynamic SQL and code tuning. Updated to the latest release, Oracle 10g, it uses the developer's perspective to focus on the PL/SQL component of the software. With real-world examples and a straightforward writing style, this is a valuable resource for anyone preparing for the new Oracle Certification exam, or simply looking to master the PL/SQL programming language with Oracle.

How to Write Accurate SQL Code

Master SQL Fundamentals

Mastering Oracle7 & Client/server Computing

A Desktop Quick Reference

Oracle9i PL/SQL Programming

Effective Oracle by Design

Mastering Oracle PL/SQL Practical Solutions Apress

A poorly performing database application not only costs users time, but also has an impact on other applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database applications. There are two basic issues to focus on when tuning SQL: how to find and interpret the execution plan of an SQL statement and how to change SQL to get a specific alternate execution plan. SQL Tuning provides answers to these questions and addresses a third issue that's even more important: how to find the optimal execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum

execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll learn how to understand and control SQL execution plans and how to diagram SQL queries to deduce the best execution plan for a query. Key chapters in the book include exercises to reinforce the concepts you've learned. SQL Tuning concludes by addressing special concerns and unique solutions to "unsolvable problems." Whether you are a programmer who develops SQL-based applications or a database administrator or other who troubleshoots poorly tuned applications, SQL Tuning will arm you with a reliable and deterministic method for tuning your SQL queries to gain optimal performance.

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?