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KEY=ORACLE - BAILEE WILLIAMSON

Oracle PL/SQL Programming

"O'Reilly Media, Inc." The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Sql, Pl/Sql - The Prog. Language Of Oracle - 3Rd Rev. Edn.

Oracle's Workgroup or Enterprise Server, are the world's largest selling RDBMS products. It is estimated that the combined sales of both these Oracle products account for more than 80% of RDBMS products. It is estimated that the combines sales of both these Oracle products account for more than 80% of RDBMS engines sold worldwide. A very large amount of commercial applications are developed around these products. Most ERP software such as SAP R3, Avalon, Marshall, PeopleSoft, Oracle Applications and a host of other such client software work with the Oracle RDBMS engine worldwide. Whether a corporate entity chooses to use Oracle Work Group of Enterprise Server, the natural programming language of both of these products in ANSI SQL and PL/SQL. This book has been written to address the need of programmers who wish to have a ready reference book, with examples, which covers ANSI SQL and PL/SQL. The creating of User Defined Functions, Procedures, Database triggers and other specific data processing PL/SQL code blocks for commercial applications will always required programmers who can code comfortably in ANSI SQL and PL/SQL. Exception handling, Oracle's default locking and User defined locking has been covered in a fair amount of detail. However these areas are of great interest to commercial application developers. Programmers with these explicit skills will always find employment in that segment of the software industry, which develops commercial applications. I have tried to use my extensive commercial application development experience in Oracle using ANSI SQL and PL/SQL to produce a book that has answers to most of the questions that seem to puzzle programmers in ANSI SQL and PL/SQL. Every single programming question has not been answered, indeed if I tried to actually do that I would fail since I believe that I myself have not encountered every single programming problem. However, I've chosen several key areas in commercial applications and tried to address a set of issues that most commercial applications developers require. Concepts are built using simple language. Examples have easily understood logic. Once this is grasped, the skill gained, must allow any commercial application developer to develop programs in ANSI SQL and PL/SQL very very quickly

Oracle PL/SQL Programming

"O'Reilly Media, Inc." For the past ten years, O'Reilly's Oracle PL/SQL Programming has been the bestselling book on PL/SQL, Oracle's powerful procedural language. Packed with examples and helpful recommendations, the book has helped everyone--from novices to experienced developers, and from Oracle Forms developers to database administrators--make the most of PL/SQL. The fourth edition is a comprehensive update, adding significant new content and extending coverage to include the very latest Oracle version, Oracle Database 10g Release 2. It describes such new features as the PL/SQL optimizing compiler, conditional compilation, compile-time warnings, regular expressions, set operators for nested tables, nonsequential collections in FORALL, the programmer-defined quoting mechanism, the ability to backtrace an exception to a line number, a variety of new built-in packages, and support for IEEE 754 compliant floating-point numbers. The new edition adds brand-new chapters on security (including encryption, row-level security, fine-grained auditing, and application contexts), file, email, and web I/O (including the built-in packages DBMS_OUTPUT, UTL_FILE, UTL_MAIL, UTL_SMTP, and UTL_HTTP) and globalization and localization. Co-authored by the world's foremost PL/SQL authority, Steven Feuerstein, this classic reference provides language syntax, best practices, and extensive code, ranging from simple examples to complete applications--making it a must-have on your road to PL/SQL mastery. A companion web site contains many more examples and additional technical content for enhanced learning.

Oracle PL/SQL Best Practices

Optimizing Oracle Code

"O'Reilly Media, Inc." 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.

Oracle9i PL/SQL Programming

McGraw-Hill Osborne Media 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.

Oracle PL/SQL Language Pocket Reference

"O'Reilly Media, Inc." 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.

Advanced Oracle PL/SQL

Programming with Packages

Oreilly & Associates Incorporated Demonstrates how to construct and properly build PL/SQL packages, providing a full-use shareware version of PL/Vision and a library of dozens of packages written by the author on the companion disk. Original. (Advanced).

Learning Oracle PL/SQL

"O'Reilly Media, Inc." "Learning Oracle PL/SQL" introduces PL/SQL in a way that's useful to a variety of audiences: beginning programmers, new Oracle database administrators, and developers familiar with other databases who now need to learn Oracle. A consistent and understandable example application--the development of a library's electronic catalog system--runs through the chapters.

Oracle PL/SQL Programming

Covers Versions Through Oracle Database 12c

"O'Reilly Media, Inc." Considered the best Oracle PL/SQL programming guide by the Oracle community, this definitive guide is precisely what you need to make the most of Oracle's powerful procedural language. The sixth edition describes the features and capabilities of PL/SQL up through Oracle Database 12c Release 1. Hundreds of thousands of PL/SQL developers have benefited from this book over

the last twenty years; this edition continues that tradition. With extensive code examples and a lively sense of humor, this book explains language fundamentals, explores advanced coding techniques, and offers best practices to help you solve real-world problems. Get PL/SQL programs up and running quickly, with clear instructions for executing, tracing, testing, debugging, and managing code. Understand new 12.1 features, including the ACCESSIBLE_BY clause, WITH FUNCTION and UDF pragma, BEQUEATH CURRENT_USER for views, and new conditional compilation directives. Take advantage of extensive code samples, from easy-to-follow examples to reusable packaged utilities. Optimize PL/SQL performance with features like the function result cache and Oracle utilities such as PLScope and the PL/SQL hierarchical profiler. Build modular, easy-to-maintain PL/SQL applications using packages, procedures, functions, and triggers.

Oracle and PL/SQL Recipes

A Problem-Solution Approach

Apress 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.

SQL, PL/SQL

The Programming Language of Oracle

Oracle 11g: PL/SQL Programming

Cengage Learning 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 -- Oracle 11g. 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 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.

Oracle SQL and PL/SQL Handbook

A Guide for Data Administrators, Developers, and Business Analysts

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

Oracle Built-in Packages

Oracle Development Languages

"O'Reilly Media, Inc." Oracle is the most popular database management system in use today, and PL/SQL plays a pivotal role in current and projected Oracle products and applications. PL/SQL is a programming language providing procedural extensions to the SQL relational database language and to an ever-growing number of Oracle development tools. Originally a rather limited tool, PL/SQL became with Oracle7 a mature and effective language for developers. Now, with the introduction of Oracle8, PL/SQL has taken the next step towards becoming a fully realized programming language providing sophisticated object-oriented capabilities. Steven Feuerstein's Oracle PL/SQL Programming is a comprehensive guide to building applications with PL/SQL. That book has become the bible for PL/SQL developers who have raved about its completeness, readability, and practicality. Built-in packages are collections of PL/SQL objects built by Oracle Corporation and stored directly in the Oracle database. The functionality of these packages is available from any programming environment that can call PL/SQL stored procedures, including Visual Basic, Oracle Developer/2000, Oracle Application Server (for web-based development), and, of course, the Oracle database itself. Built-in packages extend the capabilities and power of PL/SQL in many significant ways. For example: DBMS_SQL executes dynamically constructed SQL statements and PL/SQL blocks of code. DBMS_PIPE communicates between different Oracle sessions through a pipe in the RDBMS shared memory. DBMS_JOB submits and manages regularly scheduled jobs for execution inside the database. DBMS_LOB accesses and manipulates Oracle8's large objects (LOBs) from within PL/SQL programs. The first edition of Oracle PL/SQL Programming contained a chapter on Oracle's built-in packages, but there is much more to say about the basic PL/SQL packages than Feuerstein could fit in his first book. In addition, now that Oracle8 has been released, there are many new Oracle8 built-in packages not described in the PL/SQL book. There are also packages extensions for specific Oracle environments such as distributed database, hence this book. Oracle Built-in Packages pulls together information about how to use the calling interface (API) to Oracle's Built-in Packages, and provides extensive examples on using the built-in packages effectively. The windows diskette included with the book contains the companion guide, an online tool developed by RevealNet, Inc., that provides point-and-click access to the many files of source code and online documentation developed by the authors. The table of contents follows: Preface Part I: Overview 1. Introduction Part II: Application Development Packages Executing Dynamic SQL and PL/SQL Inter-session Communication User Lock and Transaction Management Oracle Advanced Queuing Generating Output from PL/SQL Programs Defining an Application Profile Managing Large Objects Datatype Packages Miscellaneous Packages Part III: Server Management Packages Managing Session Information Managing Server Resources Job Scheduling in the Database Part IV: Distributed Database Packages Snapshots Advanced Replication Conflict Resolution Deferred Transactions and Remote Procedure Calls Appendix. What's on the companion disk?

Oracle PL/SQL Language Pocket Reference

A Guide to Oracle's PL/SQL Language Fundamentals

"O'Reilly Media, Inc." Annotation This pocket reference condenses the most vital information from Oracle PL/SQL programming into an accessible quick reference that summarises the basics of PL/SQL - block structure, fundamental language elements, data structures, control statements, and use of procedures, functions and packages.

Mastering Oracle PL/SQL

Practical Solutions

Apress 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.

Easy Oracle PL/SQL

Get Started Fast with Working PL/SQL Code Examples

Rampant Techpress Provides instructions on how to create, debug, and execute PL/SQL code.

Oracle PL/SQL CD Bookshelf

"O'Reilly Media, Inc." Readers get the complete text of the following books on CD-ROM: "Oracle PL/SQL Programming, Advanced PL/SQL Programming, Oracle Web Applications, Oracle Built-in Packages, Oracle Developer's Workbook, Oracle PL/SQL Pocket Reference, Oracle Built-ins Pocket Reference", and "Oracle PL/SQL Programming: A Guide to Oracle 8i Features".

Sql, Pl/sql: The Programming Language Of Oracle, 2nd Revised Edition

Oracle PL/SQL Programming

A Developer's Workbook

"O'Reilly Media, Inc." Written by one of the world's leading experts on the Oracle PL/SQL language, this text offers extensive exercises in all skill levels covering major features of the language. Also provides a primer to the PL/SQL language.

Oracle Database 11g PL/SQL Programming

McGraw Hill Professional Design Feature-Rich PL/SQL Applications Deliver dynamic, client/server PL/SQL applications with expert guidance from an Oracle programming professional. With full coverage of the latest features and tools, Oracle Database 11g PL/SQL Programming lays out each topic alongside detailed explanations, cut-and-paste syntax examples, and real-world case studies. Access and modify database information, construct powerful PL/SQL statements, execute effective queries, and deploy bulletproof security. You'll also learn how to implement C, C++, and Java procedures, Web-enable your database, cut development time, and optimize performance. Create, debug, and manage Oracle-driven PL/SQL programs Use PL/SQL structures, delimiters, operators, variables, and statements Identify and eliminate errors using PLSQL_WARNINGS and exception handlers Work with functions, procedures, packages, collections, and triggers Define and deploy varray, nested table, and associative array data types Handle external routines, object types, large objects, and secure files Communicate between parallel sessions using DBMS_ALERT and DBMS_PIPE Call external procedures through Oracle Net Services and PL/SQL wrappers Integrate internal and server-side Java class libraries using Oracle JVM Develop robust Web applications using PL/SQL Gateway and Web Toolkit

Advanced Oracle PL/SQL Developer's Guide

Packt Publishing Ltd 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.

Oracle Database 12c PL/SQL Programming

McGraw Hill Professional Master Oracle Database 12c PL/SQL Application Development Develop, debug, and administer robust database programs. Filled with detailed examples and expert strategies from an Oracle ACE, Oracle Database 12c PL/SQL Programming explains how to retrieve and process data, write PL/SQL statements, execute effective queries, incorporate PHP and Java, and work with dynamic SQL. Code testing, security, and object-oriented programming techniques are fully covered in this comprehensive Oracle Press guide. Explore new SQL and PL/SQL features in Oracle Database 12c Build control structures, cursors, and loop statements Work with collections, varrays, tables, and associative array collections Locate and repair errors and employ exception handlers Execute black box, white box, and integration tests Configure and manage stored packages and libraries Handle security with authentication and encryption Use LOBs to store text and multimedia content Write and implement PL/SQL and Java triggers Extend functionality using dynamic SQL statements Understand object types, nested tables, and unnesting queries

Oracle PL/SQL by Example

Pearson Education 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

Oracle SQL

The Essential Reference

"O'Reilly Media, Inc." 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.

Oracle Advanced PL/SQL Developer Professional Guide

Packt Publishing Ltd 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

Createspace Independent Publishing Platform Murach's Oracle SQL and PL: SQL for Developers By Joel Murac

Oracle PL/SQL Programming

"O'Reilly Media, Inc." For the past ten years, O'Reilly's Oracle PL/SQL Programming has been the bestselling book on PL/SQL, Oracle's powerful procedural language. Packed with examples and helpful recommendations, the book has helped everyone--from novices to experienced developers, and from Oracle Forms developers to database administrators--make the most of PL/SQL. The fourth edition is a comprehensive update, adding significant new content and extending coverage to include the very latest Oracle version, Oracle Database 10g Release 2. It describes such new features as the PL/SQL optimizing compiler, conditional compilation, compile-time warnings, regular expressions, set operators for nested tables, nonsequential collections in FORALL, the programmer-defined quoting mechanism, the ability to backtrace an exception to a line number, a variety of new built-in packages, and support for IEEE 754 compliant floating-point numbers. The new edition adds brand-new chapters on security (including encryption, row-level security, fine-grained auditing, and application contexts), file, email, and web I/O (including the built-in packages DBMS_OUTPUT, UTL_FILE, UTL_MAIL, UTL_SMTP, and UTL_HTTP) and globalization and localization. Co-authored by the world's foremost PL/SQL authority, Steven Feuerstein, this classic reference provides language syntax, best practices, and extensive code, ranging from simple examples to complete applications--making it a must-have on your road to PL/SQL mastery. A companion web site contains many more examples and additional technical content for enhanced learning.

Oracle PL/SQL Best Practices

Write the Best PL/SQL Code of Your Life

"O'Reilly Media, Inc." In this compact book, Steven Feuerstein, widely recognized as one of the world's leading experts on the Oracle PL/SQL language, distills his many years of programming, teaching, and writing about PL/SQL into a set of best practices-recommendations for developing successful applications. Covering the latest Oracle release, Oracle Database 11gR2, Feuerstein has rewritten this new edition in the style of his bestselling Oracle PL/SQL Programming. The text is organized in a problem/solution format, and chronicles the programming exploits of developers at a mythical company called My Flimsy Excuse, Inc., as they write code, make mistakes, and learn from those mistakes-and each other. This book offers practical answers to some of the hardest questions faced by PL/SQL developers, including: What is the best way to write the SQL logic in my application code? How should I write my packages so they can be leveraged by my entire team of developers? How can I make sure that all my team's programs handle and record errors consistently? Oracle PL/SQL Best Practices summarizes PL/SQL best practices in nine major categories: overall PL/SQL application development; programming standards; program testing, tracing, and debugging; variables and data structures; control logic; error handling; the use of SQL in PL/SQL; building procedures, functions, packages, and triggers; and overall program performance. This book is a concise and entertaining guide that PL/SQL developers will turn to again and again as they seek out ways to write higher quality code and more successful applications. "This book presents ideas that make the difference between a successful project and one that never gets off the ground. It goes beyond just listing a set of rules, and provides realistic scenarios that help the reader understand where the rules come from. This book should be required reading for any team of Oracle database professionals." --Dwayne King, President, KRIDAN Consulting

Oracle Database 11g PL/SQL Programming Workbook

McGraw Hill Professional 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

Oracle PL/SQL Built-ins Pocket Reference

"O'Reilly Media, Inc." This pocket reference provides quick-reference information that will help you use Oracle Corporation's extensive set of built-in functions and packages, including those new to Oracle8. Oracle's PL/SQL language is a programming language providing procedural extensions to the SQL relational database language and to an ever-growing number of Oracle development tools. Among the most useful constructs in the PL/SQL language are the built-in functions and packages. Built-in functions are constructs that operate on certain types of data (e.g., numeric, character) to return a result. By using functions, you can minimize the coding you need to do in your programs. Functions are described in detail in Steven Feuerstein's Oracle PL/SQL Programming; this comprehensive guide to building applications with PL/SQL has become the bible for PL/SQL developers who have raved about its completeness, readability, and practicality. Built-in functions fall into several major categories: Character functions: Operate on character data. Examples include CONCAT (concatenates two strings into one), LENGTH (returns the length of a string), and REPLACE (replaces a character sequence in a string with a different set of characters). Date functions: Operate on dates and supplement the DATE datatype. Examples include SYSDATE (returns the current date and time in the Oracle Server) and LAST_DAY (returns the last day in the month of the specified date). Numeric functions: Operate on numeric data. Examples include CEIL (returns the smallest integer greater than or equal to the specified number) and POWER (returns a number raised to a particular power). LOB functions: Operate on large object data. Examples include EMPTY_BLOB (returns an empty locator of the binary large object type) and EMPTY_CLOB (returns an empty locator of the character large object type). Conversion functions: Perform explicit conversions of different types of data. Examples include TO_CHAR (converts a number or date to a string) and TO_NUMBER (converts a string to a number). Miscellaneous functions. Examples include GREATEST (returns the greatest of the specified list of values) and UID (returns the user ID of the current Oracle session). Built-in packages (collections of PL/SQL objects, such as functions, procedures, and data structures) greatly expand the scope of the PL/SQL language. These packages are described in detail in Feuerstein's and Beresiewicz's book, Oracle Built-in Packages. Built-in packages are built by Oracle Corporation and stored directly in the Oracle database. The functionality of the built-ins is available from any programming environment that can call PL/SQL stored procedures, including Visual Basic, Oracle Developer/2000, Oracle Application Server (for Web-based development), and, of course, the Oracle database itself. Built-in packages extend the capabilities and power of PL/SQL in many significant ways. For example: DBMS_SQL executes dynamically constructed SQL statements and PL/SQL blocks of code. DBMS_PIPE communicates between different Oracle sessions through a pipe in the RDBMS shared memory. DBMS_JOB submits and manages regularly scheduled jobs for execution inside the database. DBMS_LOB accesses and manipulates Oracle8's large objects (LOBs) from within PL/SQL programs. The book shows how to call all of the commonly used built-in functions and packages. For packages, it also shows the RESTRICT REFERENCES pragmas (needed if you call packages from a SQL statement), as well as the exceptions, constants, and data structures defined in the packages.

Oracle PL/SQL Language

Pocket Reference

"O'Reilly Media, Inc." Provides a reference to basic language elements including block structure and declarations, statements for program control, and the calling of functions.

Oracle PL/SQL Programming In Simple Steps

Dreamtech Press This book effectively explains the concept of PL/SQL programming. It gives short yet complete description of the PL/SQL programming concepts and explains them step by step. This book provides core information that every PL/SQL developer should know to write PL/SQL programs, interact with Oracle databases, perform complex calculations, and handle exceptions. Loaded with lots of examples and illustrations to explain concepts, this book would help you learn PL/SQL programming with minimal effort.

Oracle PL / SQL For Dummies

John Wiley & Sons Find tips for creating efficient PL/SQL code If you know a bit about SQL, this book will make PL/SQL programming painless! The Oracle has spoken—you need to get up to speed on PL/SQL programming, right? We predict it'll be a breeze with this book! You'll find out about code structures, best practices, and code naming standards, how to use conditions and loops, where to place PL/SQL code in system projects, ways to manipulate data, and more. Discover how to Write efficient, easy-to-maintain code Test and debug PL/SQL routines Integrate SQL and PL/SQL Apply PL/SQL best practices Use new features introduced in Oracle 9i and 10g

PL/SQL 69 Success Secrets - 69 Most Asked Questions on PL/SQL - What You Need to Know

Emereo Pty Limited There has never been a PL/SQL Guide like this. It contains 69 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about PL/SQL. A quick look inside of some of the subjects covered: Object-PL/SQL - The PL/SQL, Oracle Corporation Various databases, PL/SQL - Dynamic SQL, Ada (programming language), Outline of software engineering - Software engineering topics, Oracle SQL Developer - Components, PL/SQL - Function, Alphabetical list of programming languages - P, Timeston - History, PL/SQL - Array handling, IBM DB2 - Competition, Postgres - Procedural languages, SQL/PSM, Oracle Data Mining - PL/SQL and Java interfaces, IBM DB2 - History, Oracle SQL Developer - Extensions, Oracle Application Express - APEX Security, Oracle SQL Developer - Features, Steven Feuerstein, Oracle Application Express - Advantages, Oracle database - Tools, PL/SQL - Trigger, StepSqlite - Architecture, Sun Certified - Oracle Forms Developer Certified Professional, Berkeley DB - Architecture, MapReduce - Lack of novelty, PL/SQL - FOR loops, Object-PL/SQL - Example 1, PL/SQL - Similar languages, Oracle RDBMS - Corporate/technical timeline, Object-PL/SQL - Examples of uses of syntax of O-PL/SQL, Oracle Forms - History, PL/SQL - Package, PL/pgSQL - Comparing with PSM, Object-PL/SQL - Autonomy, notoriety and importance of O-PL/SQL, PL/SQL - Procedure, Graph database - APIs and Graph Query/Programming Languages, PL/SQL - Data Types, Steven Feuerstein - Books, Oracle database - Physical and logical structures, and much more...

Oracle PL/SQL Programming

Guide to Oracle8i Features

"O'Reilly Media, Inc." Introducing the latest PL/SQL features of Oracle8i, this detailed manual discusses autonomous transactions, invoker rights, native dynamic SQL, system-level database triggers, access control, and other valuable topics and provides one hundred files of reusable source code and examples on diskette. Original. (Intermediate)

ORACLE DATABASE 12C HANDS-ON SQL AND PL/SQL

PHI Learning Pvt. Ltd. The book teaches the basics of the Oracle database from a beginner's perspective to the advanced concepts using a hands-on approach. Each and every concept has been elaborated with suitable practical examples along with code for clear and precise understanding of the topic. Using a practical approach, this new edition of the book covers the detailed introspection of pluggable databases and explains practically the various new features incorporated in the new 12c version. It also explains how to retrieve, add, update and delete data in the Oracle database using SQL, SQL*PLUS and PL/SQL. In the process, it discusses the various data types and built-in functions of Oracle, as well as the sorting of records and the table operations. The text also includes coverage of advanced queries using special operators, Oracle security, indexing, and stored functions and procedures. The book is suitable for undergraduate engineering students of Computer Science and Information Technology, B.Sc. (Computer Science/IT), M.Sc. (Computer Science/IT) and students of Computer Applications (BCA, MCA, PGDCA, and DCA). Besides, the book can be used as a reference by professionals pursuing short-term courses on Oracle Database and students of Oracle Certified Courses. KEY FEATURES • Based on latest Oracle Database 12c: It explains the various features introduced with the new Oracle Database 12c software. • Hands-on methodology: Its objective is to impart practical skills using hands-on methodology. • Elaborate Practical Examples: Each topic begins with appropriate theory and concept followed by relevant examples for better understanding of the concepts. • Commands tested and executed on Oracle Database software: All the programming examples have been tested on actual Oracle Database software.

Oracle Embedded Programming and Application Development

CRC Press Focusing on tried and true best practice techniques in cross-technology based Oracle embedded programming, this book provides authoritative guidance for improving your code compilation and execution. Geared towards IT professionals developing Oracle-based Web-enabled applications in PL/SQL, Java, C, C++, .NET, Perl, and PHP, it covers application development from concepts to customization, following a pragmatic approach to design, coding, testing, deployment, and customization—explaining how to maximize embedded programming practices. Oracle Embedded Programming and Application Development explains application development frameworks using 3GL and 4GL high-level language code as embedded code segments across .NET, Java, and Open Source technologies, in conjunction with SQL and/or PL/SQL and the Oracle RDBMS through version 11gR2. It also: Features pluggable code using parameterized constructs to promote code reuse Explains when to use a particular embedded language as a best fit for specific applications Highlights design considerations that reduce the probability of errors, enable quick resolution, and boost performance in terms of enabling a Fast-Actionable-Synchronized-Tested (FAST) solution implementation Provides best practice techniques that can enhance any application development code-design methodology for a better, easier, faster, cheaper, and pervasive solution that in turn helps achieve a Better Business Benefit (B-B-B) This practical guide details techniques for constructing architecture and code design methodologies for live application development projects that can be generalized and standardized as application development and code design frameworks. Cover to cover, the text provides an understanding of how the designed, developed, and deployed solutions conform to emerging and next-generation trends. It also discusses the conformance and usage of Web 2.0-based RIA functionality and regulatory compliance practices involving auditing and security. Praise for: "Taking an Oracle-centric approach, Lakshman skillfully guides you through the maze of various popular programming languages and environments including .NET, C/C++, Perl, PHP, Java, and even SQL and PL/SQL – not only showing you how they interact with Oracle but also which language is the best fit for a given situation." —John Kanagaraj, Executive Editor, IOUG SELECT Journal

Oracle PL/SQL Programming Fundamentals

A Tutorial by Examples

CreateSpace PL/SQL is the Oracle Procedural Language extension of SQL. PL/SQL is integrated within the Oracle database. A PL/SQL program can have both SQL statements and procedural statements. In the program, the SQL statements are used to access sets of data stored in a database, while the procedural statements are used to process individual piece of data and control the program flow, by applying, for example, the PL/SQL's if-then-else and looping structures. This book, Oracle PL/SQL Programming Fundamentals By Examples, is for PL/SQL beginners. If you have no prior or limited skill of PL/SQL, and you want to learn the Oracle PL/SQL programming language the practical way, then this book is perfect for you. When you finish reading the book and trying its examples, you would have equipped yourself with PL/SQL fundamental skills to start writing some PL/SQL programs for a real-world development project. Source codes listing of the examples are included in the Appendix of the book.

Oracle 11G

SQL (Book Only)

Course Technology ORACLE 11G: SQL is not simply a study guide; it is written for individuals who have just a basic knowledge of databases and can be utilized in a course on this latest implementation of SQL from Oracle.