

Access Free Oracle PL/SQL
Language Pocket Reference A
Guide To Oracle's PL/SQL
Language Fundamentals

Oracle PL/SQL Language Pocket Reference A Guide To Oracle's PL/SQL Language Fundamentals

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

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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

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.

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

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*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*

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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.*

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Learning Oracle PL/SQL

Mastering Oracle PL/SQL

Oracle PL/SQL Built-ins Pocket Reference

Advanced Oracle PL/SQL

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

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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

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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

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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-

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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 Beresniewicz'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

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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

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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.

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

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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

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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 PL/Scope and the PL/SQL hierarchical profiler Build modular, easy-to-maintain PL/SQL applications using packages, procedures, functions, and triggers Introducing the latest PL/SQL features of Oracle8i, this detailed manual discusses autonomous transactions, invoker rights, native dynamic SQL, system-level database triggers, access

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control, and other valuable topics and provides one hundred files of reusable source code and examples on diskette. Original. (Intermediate)

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).

Pocket Reference

Oracle PL/SQL Language Pocket Reference, 4/E

Oracle PL/SQL Programming A Developer's Workbook

Oracle PL/SQL Language Pocket Reference

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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.

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

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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

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**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.**

**Provides quick-reference
information that will help you use
Oracle's PL/SQL language,
including the newest Oracle
Database 10g features. This is a
companion to Steven Feuerstein
and Bill Pribyl's Oracle PL/SQL
Programming.**

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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)

Mastering Oracle SQL

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

Master SQL Fundamentals

Covers Versions Through Oracle Database 12c

A Problem-Solution Approach

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth,

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practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

A comprehensive handbook covering the essential of Procedural Language extensions to Structured Query Language (PL/SQL) covers a wide range of tips and techniques for insuring coding style consistency and coding approaches for the best performance of PL/SQL programs and furnishes information on data structures, functions, procedures, and more. Original. (Intermediate)

The fourth edition of this popular pocket guide provides quick-reference information that will help you use Oracle's PL/SQL language,

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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

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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.

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

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language elements, data structures, control statements, and use of procedures, functions and packages.

Programming with Packages

Oracle PL/SQL CD Bookshelf

Oracle and PL/SQL Recipes

Practical Solutions

Real World SQL and PL/SQL: Advice from the Experts

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

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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

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`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.

Explores the interactive environment used for Oracle development and administration, covering topics including features, menus, defaults, shortcut keys, and SQL tuning.

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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.

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

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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-

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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

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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
From Novice to Professional
Oracle PL / SQL For Dummies
Learning SQL

A Hands-On Approach for
Beginners

*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*

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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

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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. Find tips for creating efficient PL/SQL code If you know a bit about SQL, this book will make PL/SQL programming

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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

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

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.

*The Definitive Guide
Building High-Performance
Web Applications in MySQL
Write Efficient SQL
Oracle PL/SQL kurz & gut*

MySQL Stored Procedure Programming

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.

"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

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system--runs through the chapters. 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,

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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 likely 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

Readers get the complete text of the following books on CD-ROM:
"Oracle PL/SQL Programming,
Advanced PL/SQL Programming,

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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".

A Guide to Oracle's PL/SQL Language Fundamentals

Getting Started with SQL

Oracle SQL Tuning Pocket Reference
SQL Pocket Guide

Beginning PL/SQL

Be more productive with the Oracle PL/SQL language. The fifth edition of this popular pocket reference puts the syntax of specific PL/SQL language elements right at your fingertips, including features

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added in Oracle Database 12c. Whether you're a developer or database administrator, when you need answers quickly, the Oracle PL/SQL Language Pocket Reference will save you hours of frustration with concise summaries of: Fundamental language elements, such as block structure, datatypes, and declarations Statements for program control, cursor management, and exception handling Records, procedures, functions, triggers, and packages Execution of PL/SQL functions in SQL Compilation options, object-oriented

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features, collections, and Java integration This handy pocket reference is a perfect companion to Steven Feuerstein and Bill Pribyl's bestselling Oracle PL/SQL Programming.

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

The implementation of stored procedures in MySQL 5.0 a huge milestone -- one that is expected to lead to widespread enterprise adoption of the already extremely popular MySQL database. If you are serious about building the web-based database applications of

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the future, you need to get up to speed quickly on how stored procedures work -- and how to build them the right way. This book, destined to be the bible of stored procedure development, is a resource that no real MySQL programmer can afford to do without. In the decade since MySQL burst on the scene, it has become the dominant open source database, with capabilities and performance rivaling those of commercial RDBMS offerings like Oracle and SQL Server. Along with Linux and PHP, MySQL is at the heart of millions of applications. And

now, with support for stored procedures, functions, and triggers in MySQL 5.0, MySQL offers the programming power needed for true enterprise use. MySQL's new procedural language has a straightforward syntax, making it easy to write simple programs. But it's not so easy to write secure, easily maintained, high-performance, and bug-free programs. Few in the MySQL world have substantial experience yet with stored procedures, but Guy Harrison and Steven Feuerstein have decades of combined expertise. In *MySQL Stored Procedure Programming*, they

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put that hard-won experience to good use. Packed with code examples and covering everything from language basics to application building to advanced tuning and best practices, this highly readable book is the one-stop guide to MySQL development. It consists of four major sections: MySQL stored programming fundamentals -- tutorial, basic statements, SQL in stored programs, and error handling Building MySQL stored programs -- transaction handling, built-in functions, stored functions, and triggers MySQL stored programs in

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applications -- using stored programs with PHP, Java, Perl, Python, and .NET (C# and VB.NET) Optimizing MySQL stored programs -- security, basic and advanced SQL tuning, optimizing stored program code, and programming best practices A companion web site contains many thousands of lines of code, that you can put to use immediately. Guy Harrison is Chief Architect of Database Solutions at Quest Software and a frequent speaker and writer on MySQL topics. Steven Feuerstein is the author of Oracle PL/SQL Programming, the classic reference for Oracle

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stored programming for more than ten years. Both have decades of experience as database developers, and between them they have authored a dozen books.

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

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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

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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.

Oracle RMAN Pocket Reference
Optimizing Oracle Code

Oracle SQL*Plus

Oracle PL/SQL Language
Pocket Reference, 4th Edition

Oracle PL/SQL Language Pocket
Reference

Master the Underutilized Advanced
Features of SQL and PL/SQL This
hands-on guide from Oracle Press

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shows how to fully exploit lesser known but extremely useful SQL and PL/SQL features and how to effectively use both languages together. Written by a team of Oracle ACE Directors, Real-World SQL and PL/SQL: Advice from the Experts features best practices, detailed examples, and insider tips that clearly demonstrate how to write, troubleshoot, and implement code for a wide variety of practical applications. The book thoroughly explains underutilized SQL and PL/SQL functions and lays out essential development strategies. Data modeling, advanced analytics, database security, secure coding, and administration are covered in complete detail. Learn how to:

- Apply advanced SQL and PL/SQL tools and techniques
- Understand SQL and PL/SQL

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functionality and determine when to use which language • Develop accurate data models and implement business logic • Run PL/SQL in SQL and integrate complex datasets • Handle PL/SQL instrumenting and profiling • Use Oracle Advanced Analytics and Oracle R Enterprise • Build and execute predictive queries • Secure your data using encryption, hashing, redaction, and masking • Defend against SQL injection and other code-based attacks • Work with Oracle Virtual Private Database Code examples in the book are available for download at www.MHPProfessional.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com Beginning PL/SQL is a fast-paced and blissfully short introduction to Oracle's PL/SQL language. PL/SQL is the built-

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in language that every Oracle developer and database administrator simply must know. The book shows readers how to apply object-oriented PL/SQL to production applications. No other book on PL/SQL does this. It gives the reader practical advice on what works and what doesn't, and advises on the performance tradeoffs between doing work in SQL versus in PL/SQL. This book gets readers up-to-speed on the core of the language without wasting time on esoteric and seldom used syntax.

Oracle RMAN Pocket Reference is a handy guide for DBAs who intend to use Oracle Recovery Manager for database backup and recovery. Because Recovery Manager (RMAN) is a relatively new tool, many DBAs are just becoming familiar with it. They will welcome a timely book that

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explains clearly and concisely how to use RMAN for common backup and recovery tasks that are infrequent, yet extremely vital. The first portion of the book is primarily task-oriented. After a short section on RMAN architecture, the book shows (in checklist style) how to perform common backup and recovery tasks such as: Implementing a recovery catalog Creating and running RMAN scripts Configuring input/output channels Taking a full database backup Backing up tablespaces and datafiles Taking incremental backups Recovering lost datafiles The second portion of the book consists of a handy syntax reference to the many RMAN commands. Having a quick reference to RMAN commands is a great convenience to DBAs who otherwise, often under the pressure of a recovery

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situation, would have to wade through Oracle's online documentation.

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

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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

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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 Murach's Oracle SQL and PL SQL for Developers

RMAN Syntax and Procedures

TOAD Pocket Reference for Oracle

Oracle 12c: SQL

Oracle PL/SQL Language

One of the most important challenges faced by Oracle database administrators and Oracle developers is the need to tune SQL statements so that they execute efficiently. Poorly tuned SQL statements are one of the leading causes of substandard database performance and poor response time. SQL statements that perform poorly result in frustration for users, and can even prevent a company

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from serving its customers in a timely manner. In this book, Mark Gurry shares his in-depth knowledge of Oracle's SQL statement optimizers. Mark's knowledge is the result of many hard-fought tuning battles during his many years of providing Oracle tuning services to clients. Mark provides insights into the workings of the rule-based optimizer that go well beyond what the rules tell you. Mark also provides solutions to many common problems that occur with both the rule-based and cost-based optimizers. In addition to the specific problem/solution scenarios for the optimizers, Mark provides a number of handy SQL tuning tips. He discusses the various optimizer hints, telling you when they can be used to good effect. Finally, Mark discusses the use of the DBMS_STATS package to manage database statistics, and the use of outlines to specify execution plans for

SQL statements in third-party applications that you can't otherwise modify.

Die vierte Auflage dieser beliebten Taschenreferenz liefert Ihnen die wichtigsten Informationen, die Sie für die Arbeit mit Oracle PL/SQL benötigen, und deckt jetzt auch die neuen Features von Oracle Database 11g ab. Das Buch bietet eine Zusammenfassung der Sprachelemente und Funktionen von PL/SQL und behandelt unter anderem folgende Themen: - Blockstruktur, Bezeichner, Variablen, Datentypen und Deklarationen - Anweisungen zur Ablaufsteuerung, zur Cursor-Verwaltung und zum Exception-Handling - Aufruf von PL/SQL-Funktionen in SQL - Datensätze, Prozeduren, Funktionen, Trigger und Packages - Kompilationsoptionen, objektorientierte Features und Collections

Businesses are gathering data today at

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exponential rates and yet few people know how to access it meaningfully. If you're a business or IT professional, this short hands-on guide teaches you how to pull and transform data with SQL in significant ways. You will quickly master the fundamentals of SQL and learn how to create your own databases. Author Thomas Nield provides exercises throughout the book to help you practice your newfound SQL skills at home, without having to use a database server environment. Not only will you learn how to use key SQL statements to find and manipulate your data, but you'll also discover how to efficiently design and manage databases to meet your needs. You'll also learn how to: Explore relational databases, including lightweight and centralized models Use SQLite and SQLiteStudio to create lightweight databases in minutes Query

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**and transform data in meaningful ways
by using *SELECT*, *WHERE*, *GROUP BY*,
and *ORDER BY* Join tables to get a more
complete view of your business data Build
your own tables and centralized databases
by using normalized design principles
Manage data by learning how to *INSERT*,
DELETE, and *UPDATE* records
Guide to Oracle8i Features**