

Where To Download Oracle  
PL/SQL Programming

# ***Oracle PL/SQL Programming***

**This pocket reference  
provides quick-reference  
information that will help  
you use Oracle**

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## Where To Download Oracle PL/SQL Programming

**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**

## Where To Download Oracle PL/SQL Programming

**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**

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**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**

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**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**

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**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**

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**major categories: Character functions: Operate on character data. Examples include CONCAT (concatenates two strings into one), LENGTH (returns the length of a string), and**

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**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**



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**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

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**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**

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**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**

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**empty locator of the character large object type). Conversion functions: Perform explicit conversions of different types of data. Examples include TO\_CHAR (converts**

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**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**

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**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**

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**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**

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**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**



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**PL/SQL stored procedures, including Visual Basic, Oracle Developer/2000, Oracle Application Server (for Web-based development), and, of course, the Oracle database**

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**itself. Built-in packages extend the capabilities and power of PL/SQL in many significant ways. For example: DBMS\_SQL executes dynamically constructed SQL**

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**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**

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**manages regularly  
scheduled jobs for  
execution inside the  
database. DBMS\_LOB  
accesses and manipulates  
Oracle8's large objects  
(LOBs) from within PL/SQL**

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**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**

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**packages from a SQL statement), as well as the exceptions, constants, and data structures defined in the packages.**

**Die vierte Auflage dieser beliebten Taschenreferenz**

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**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**

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**bietet eine  
Zusammenfassung der  
Sprachelemente und  
Funktionen von PL/SQL und  
behandelt unter anderem  
folgende Themen: -  
Blockstruktur, Bezeichner,**



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**Variablen, Datentypen und  
Deklarationen -  
Anweisungen zur  
Ablaufsteuerung, zur  
Cursor-Verwaltung und zum  
Exception-Handling - Aufruf  
von PL/SQL-Funktionen in**

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**SQL - Datensätze,  
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Trigger und Packages -  
Kompilationsoptionen,  
objektorientierte Features  
und Collections  
Ramp Up Your PL/SQL**

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PL/SQL through the hands-  
on exercises, extensive  
examples, and real-world  
projects inside this Oracle  
Press guide. Filled with  
best practices, Oracle**

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Programming Workbook  
covers all the latest  
features and enhancements  
of the language. Mastery  
checks at the end of each  
chapter reinforce the**

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**material covered, and sample code from the book is available for download. Even experienced Oracle professionals will benefit from this practical resource. Understand the**

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**Oracle development  
architecture and the  
mechanics of connections  
Work with data types,  
structures, blocks, cursors,  
and PL/SQL semantics  
Write, deploy, and use**

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**functions, procedures, and  
packages Manage  
transactions and more Use  
dynamic SQL statements in  
real-world applications  
Support online transaction  
processing and data**

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**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,**



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**visit**

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**This book effectively explains the concept of PL/SQL programming. It gives short yet complete**

## Where To Download Oracle PL/SQL Programming

**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**

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**programs, interact with Oracle databases, perform complex calculations, and handle exceptions. Loaded with lots of examples and illustrations to explain concepts, this book would**

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**help you learn PL/SQL  
programming with minimal  
effort.**

**Oracle Pl/Sql Programming  
In Simple Steps**

**Murach's Oracle SQL and PL  
SQL for Developers**

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**Oracle PL/SQL kurz & gut**

**Oracle PL/SQL CD Bookshelf**

Written by one of the  
world's leading experts  
on the Oracle PL/SQL

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language, this text offers extensive exercises in all skill levels covering major features of the language. Also provides a primer to the PL/SQL

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language.

Considered the best  
Oracle PL/SQL  
programming guide by the  
Oracle community, this  
definitive guide is  
precisely what you need

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to make the most of Oracle's powerful procedural language. The sixth edition describes the features and capabilities of PL/SQL up through Oracle



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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

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tradition. With extensive code examples and a lively sense of humor, this book explains language fundamentals, explores advanced coding

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techniques, and offers best practices to help you solve real-world problems. Get PL/SQL programs up and running quickly, with clear instructions for

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executing, tracing,  
testing, debugging, and  
managing code Understand  
new 12.1 features,  
including the  
ACCESSIBLE\_BY clause,  
WITH FUNCTION and UDF

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pragma, BEQUEATH  
CURRENT\_USER for views,  
and new conditional  
compilation directives  
Take advantage of  
extensive code samples,  
from easy-to-follow

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examples to reusable  
packaged utilities  
Optimize PL/SQL  
performance with  
features like the  
function result cache  
and Oracle utilities

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such as PL/Scope and the  
PL/SQL hierarchical  
profiler Build modular,  
easy-to-maintain PL/SQL  
applications using  
packages, procedures,  
functions, and triggers

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Master Oracle Database  
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Development Develop,  
debug, and administer  
robust database  
programs. Filled with  
detailed examples and



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an Oracle ACE, Oracle  
Database 12c PL/SQL  
Programming explains how  
to retrieve and process  
data, write PL/SQL  
statements, execute

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effective queries,  
incorporate PHP and  
Java, and work with  
dynamic SQL. Code  
testing, security, and  
object-oriented  
programming techniques

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are fully covered in  
this comprehensive  
Oracle Press guide.  
Explore new SQL and  
PL/SQL features in  
Oracle Database 12c  
Build control

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structures, cursors, and  
loop statements Work  
with collections,  
varrays, tables, and  
associative array  
collections Locate and  
repair errors and employ

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exception handlers

Execute black box, white

box, and integration

tests Configure and

manage stored packages

and libraries Handle

security with

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authentication and  
encryption Use LOBs to  
store text and  
multimedia content Write  
and implement PL/SQL and  
Java triggers Extend  
functionality using

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dynamic SQL statements  
Understand object types,  
nested tables, and  
unnesting queries  
For the past ten years,  
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Programming has been the

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bestselling book on  
PL/SQL, Oracle's  
powerful procedural  
language. Packed with  
examples and helpful  
recommendations, the  
book has helped



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everyone--from novices  
to experienced  
developers, and from  
Oracle Forms developers  
to database  
administrators--make the  
most of PL/SQL. The

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fourth edition is a comprehensive update, adding significant new content and extending coverage to include the very latest Oracle version, Oracle Database

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10g Release 2. It describes such new features as the PL/SQL optimizing compiler, conditional compilation, compile-time warnings, regular expressions, set

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operators for nested  
tables, nonsequential  
collections in FORALL,  
the programmer-defined  
quoting mechanism, the  
ability to backtrace an  
exception to a line

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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

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encryption, row-level  
security, fine-grained  
auditing, and  
application contexts),  
file, email, and web I/O  
(including the built-in  
packages DBMS\_OUTPUT,

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UTL\_FILE, UTL\_MAIL,  
UTL\_SMTP, and UTL\_HTTP)  
and globalization and  
localization. Co-  
authored by the world's  
foremost PL/SQL  
authority, Steven

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Feuerstein, this classic reference provides language syntax, best practices, and extensive code, ranging from simple examples to complete



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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

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enhanced learning.

Expert Secrets for High  
Performance Programming  
Covers Versions Through  
Oracle Database 12c  
Oracle PL/SQL Language  
Pocket Reference

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Mastering Oracle PL/SQL  
A Problem-Solution  
Approach

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

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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

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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  
Provides instructions on how to

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create, debug, and execute PL/SQL code.

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. 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

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author on the companion disk.

Original. (Advanced).

Oracle Advanced PL/SQL Developer  
Professional Guide

Write the Best PL/SQL Code of Your  
Life

Learn PL/SQL in 24 Hours  
Practical Solutions



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Programming with Packages

*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,*

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

*Oracle PL/SQL Recipes is your go to book for PL/SQL programming*

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*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*

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*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*

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Covers the most common PL/SQL  
programming problems Presents  
solutions in ready-to-use format  
Stays short and to-the-point  
This book is packed with real world  
examples that cover all the*

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*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*

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*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*

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*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*



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*for Developers By Joel Murac*  
*Oracle Database 12c PL/SQL*  
*Advanced Programming*  
*Techniques*  
*Get Started Fast with Working*  
*PL/SQL Code Examples*  
*A Developer's Workbook*

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*Oracle Database 11g PL/SQL  
Programming*

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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

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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

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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

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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



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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  
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Skills to the Next Level Build robust database-centric PL/SQL applications quickly and effectively. Oracle Database 12c PL/SQL Advanced Programming Techniques shows you how to write and deploy Java libraries inside Oracle Database 12c, use the

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utl\_file and DBMS\_SCHEDULER packages, and create external tables and external procedures. Application security, performance tuning, and Oracle Database In-Memory are also covered in this Oracle Press guide. Configure, deploy, and troubleshoot

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Java libraries for Oracle object types  
Use the utl\_file package to manage  
unstructured and structured data  
Develop and deploy Java I/O libraries  
and wrap them with PL/SQL Create  
and use external tables Implement high-  
speed data transfer Harden database

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systems and develop secure applications  
Manage complex schedules and jobs  
with the DBMS\_SCHEDULER  
package Optimize PL/SQL for use in  
performance tuning Create and deploy  
external procedures Implement the  
Oracle Database In-Memory column

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store feature

"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

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Oracle PL/SQL Programming"O'Reilly Media, Inc."

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Learning Oracle PL/SQL

Oracle PL/SQL Best Practices

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

Oracle 10g Developer

Easy Oracle PL/SQL

PL/SQL, Oracle's



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powerful procedural language, has been the cornerstone of Oracle application development for nearly 15 years. Although primarily a tool for developers,

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PL/SQL has also become an essential tool for database administration, as DBAs take increasing responsibility for site performance and as the lines between developers

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and DBAs blur. Until now, there has not been a book focused squarely on the language topics of special concern to DBAs Oracle PL/SQL for DBAs fills the gap.

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Covering the latest Oracle version, Oracle Database 10g Release 2 and packed with code and usage examples, it contains: A quick tour of the PL/SQL language,

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providing enough basic  
information about  
language fundamentals to  
get DBAs up and running  
Extensive coverage of  
security topics for  
DBAs: Encryption

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(including both traditional methods and Oracle's new Transparent Data Encryption, TDE); Row-Level Security(RLS), Fine-Grained Auditing (FGA); and random value

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generation Methods for  
DBAs to improve query  
and database performance  
with cursors and table  
functions Coverage of  
Oracle scheduling, which  
allows jobs such as

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database monitoring  
and statistics gathering  
to be scheduled for  
regular execution Using  
Oracle's built-in  
packages (DBMS\_CRYPTO,  
DBMS\_RLS, DBMS\_FGA, DBMS



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`_RANDOM,DBMS_SCHEDULING)`  
as a base, the book  
describes ways of  
building on top of these  
packages to suit  
particular  
organizational needs.

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Authors are Arup Nanda,  
Oracle Magazine 2003 DBA  
of the Year, and Steven  
Feuerstein, the world's  
foremost PL/SQL expert  
and coauthor of the  
classic reference,

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Oracle PL/SQL  
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superb introduction to  
the language and its

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find the detailed  
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be an invaluable

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resource.

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Built-in Packages,  
Oracle Developer's  
Workbook, Oracle PL/SQL  
Pocket Reference, Oracle  
Built-ins Pocket  
Reference", and "Oracle

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Guide to Oracle 8i  
Features".

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complete guide to  
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applications. The book contains new information on development tools, datatypes, SQL commands and functions, and much more. The CD-ROM contains sample code



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plus a sampling of  
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covered in the book.  
Learn how to use the  
PL/SQL programming  
language effectively,  
using one of the most

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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

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programming language,  
beginning with  
fundamental PL/SQL  
concepts and progressing  
to the writing and  
testing of PL/SQL code.  
The book then progresses

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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

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component of the software. With real-world examples and a straightforward writing style, this is a valuable resource for anyone preparing for the

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new Oracle Certification exam, or simply looking to master the PL/SQL programming language with Oracle.

Oracle 11g: PL/SQL  
Programming

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Oracle PL/SQL  
Programming  
Guide to Oracle8i  
Features  
Advanced Oracle PL/SQL  
Developer's Guide  
Oracle PL/SQL

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Programming, 6th Edition

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.



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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 added in Oracle Database 12c. Whether you're a developer or database administrator,

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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

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exception handling Records,  
procedures, functions, triggers, and  
packages Execution of PL/SQL  
functions in SQL Compilation options,  
object-oriented features, collections,  
and Java integration This handy  
pocket reference is a perfect  
companion to Steven Feuerstein and

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Bill Pribyl ' s bestselling Oracle PL/SQL Programming.

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

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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

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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

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cache, compound triggers, the CONTINUE statement, the SIMPLEINTEGER 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

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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.

PL/SQL is an extension of SQL for the Oracle Database. Learn PL/SQL in 1 Day serves as beginner guide for a



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crash course in PL/SQL development. The book contains tons of examples that prepare you for real-world development project. This book is considered the best Oracle PL/SQL programming guide by the Oracle community. The books gives clear instructions for executing, tracing,

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testing, debugging, and managing  
PL/SQL code. Here is what you will  
learn Chapter 1: What Is PL/SQL?  
Introduction & Architecture Chapter 2:  
SQL Vs PL/SQL Vs T-SQL: Key  
Differences Chapter 3: PL/ SQL Block:  
STRUCTURE, Syntax, ANONYMOUS  
Example Chapter 4: PL/SQL First

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Program: Hello World Example  
Chapter 5: Oracle PL/SQL Data  
Types: Character, Number, Boolean,  
Date, LOB Chapter 6: Oracle PL/SQL  
Variable Identifiers Tutorial with  
Examples Chapter 7: Oracle PL/SQL  
Collections: Varrays, Nested & Index  
by Tables Chapter 8: Oracle PL/SQL

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Records Type with Examples Chapter  
9: Oracle PL/SQL IF THEN ELSE  
Statement: ELSIF, NESTED-IF  
Chapter 10: Oracle PL/SQL: CASE  
Statement with Examples Chapter 11:  
Oracle PL/SQL LOOP with Example  
Chapter 12: Oracle PL/SQL FOR  
LOOP with Example Chapter 13:

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