



Introduction to PL/SQL

2-day Workshop

Give your IT staff the knowledge of using Oracle's procedural language: PL/SQL.

The focus of this course is to students with a working knowledge of SQL the ability to develop Oracle procedures, functions, and database triggers using PL/SQL.

The attendees have the opportunity to construct various PL/SQL routines to solve simple and complex business questions. Dan will cover how to code PL/SQL, access data in a variety of methods, error handling, and will touch on debugging PL/SQL.

The course utilizes a variety of current tools. Students will have the opportunity to learn more about SQL Developer, TOAD, as well as the Oracle tools like SQL*Plus.

Workshop Prerequisites:

A working knowledge of SQL is required.

Topics covered:

- Oracle Architecture
- Introduction to PL/SQL
 - Syntax and language structure
- PL/SQL Topics
 - Basic Syntax
 - IF-Then-Else/Case/Looping
 - Cursor management
 - Exception handling
 - Procedures/Functions
 - Packages
 - PL/SQL Profiler
 - PL/SQL Debugger

Lectures and topics are enhanced with live illustrations and hands-on exercises

Attendees Receive:

- Study guide with presentations and relevant white papers
- Oracle PL/SQL Language Pocket Reference
- Diskette full of example SQL and SQL*Plus scripts
- Opportunity to ask the tough Oracle questions



- A hands-on opportunity to learn more about Oracle, SQL Developer, and TOAD
- TOAD or SQL Developer Tips and Techniques

Course Outline:

- Day 1: Introduction to Oracle PL/SQL
 - Oracle RDBMS Architecture overview
 - Introduction to SQL Developer/TOAD/SQL*Plus
 - Introduction to PL/SQL
 - Basic Syntax
 - Variables
 - Cursors
 - Implicit & Explicit
 - Cursor Loops
 - PL/SQL Control Structures
- Day 2: Introduction to Oracle PL/SQL
 - PL/SQL Exception Handling
 - Procedures/Functions/Packages
 - Passing Parameters
 - PL/SQL Profiling
 - PL/SQL Debugging
 - PL/SQL 10g New Features

About Dan Hotka:

Dan Hotka is a Training Specialist and an Oracle ACE Director who has over 32 years in the computer industry, over 27 years of experience with Oracle products. His experience with the Oracle RDBMS dates back to the Oracle V4.0 days. Dan's latest book is the Oracle SQL Tuning: A Close Look at Explain Plans by Amazon. He is also the author of TOAD Handbook by Pearson Education, SQL Developer Handbook by Oracle Press, Oracle9i Development By Example, and Oracle8i from Scratch by Que and has co-authored 7 other popular books including the Database Oracle10g Linux Administration by Oracle Press. He is frequently published in Oracle trade journals, and regularly speaks at Oracle conferences and user groups around the world.

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