Oracle PL/SQL

Duration: 2 Days **Course Code: OPI**

Overview:

Oracle PL/SQL Course Overview

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.
Français - Veuillez noter que ce cours est uniquement disponible en anglais.
The Oracle PL/SQL course is designed to introduce Oracle DBAs,software development personnel and database support staff to the primary features and con

Target Audience:

Who will the Course Benefit?

Oracle database administrators,software development personnel and database support staff who need to write PL/SQL scripts to enhance their productivity in manipulating data.

Objectives:

- Course Objectives
- To provide the skills needed to write stand-alone programs using the main features of Oracle's PL/SQL Programming Language.

Prerequisites:

- A working knowledge of Oracle SQL or SQL Developer is required along with practical experience in writing SQL statements. This knowledge can be obtained by attendance on the pre-requisite Oracle SQL course. Some previous programming experience will also prove advantageous.

Follow-on-Courses:

Further Learning

- Oracle PL/SQL Stored Program Units
- Oracle SQL Advanced
- Oracle Database 19c Administration

Content:

Oracle PL/SQL Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: PL/SQL FUNDAMENTALS

- What is PL/SQL?
- Basic Elements
- Variables and Constants
- Data Types
- Initialising Variables and Assigning Values
- Using SQL Statements in Code
- Generating Output to SQL or SQL Developer

Session 2: PROGRAM LOGIC

- IF THEN ELSIF ELSE Statements
- CASE Statements
- The Basic Loop Construct
- WHILE and FOR Loops
- Nested and Labelled Loops
- The GOTO Statement
- The CONTINUE Statement

Session 3: USING CURSORS

- What is a Cursor?
- Implicit and Explicit Cursors
- Cursor Operations
- Declaring,Opening and Closing Cursors
- Fetching Rows
- Status Checking
- Using Cursors FOR UPDATE
- The Cursor FOR Loop
- Parameterised Cursors Oracle PL/SQL Training Course Course Contents - DAY 2

Session 4: EXCEPTIONS AND NESTED BLOCKS

- The EXCEPTION Section
- Types of Exception
- Handling Named System-Raised Exceptions
- Handling Un-named System-Raised Exceptions
- User-Declared Exceptions and Application Errors
- WHEN OTHERS THEN NULL
- Nested and Labelled Blocks
- Propagation of Exceptions
- Scope of Variables and Cursors
- Scope of Goto Statements

Session 5: PL/SQL RECORDS AND INDEX-BY TABLES

- Declaring Record Types
- Handling PL/SQL Records
- Nested Records
- Declaring PL/SQL Index-By Tables or Associative Arrays
- PL/SQL Table Built-in Functions
- Manipulating PL/SQL Tables or Associative Arrays

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/