

## Oracle PL/SQL

Cursusduur: 2 Dagen    Cursuscode: OPI

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### Beschrijving:

#### 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

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### Doelgroep:

#### 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.

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### Doelstelling:

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

- 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.
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### Vervolg cursussen:

#### Further Learning

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

### 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

## Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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[www.globalknowledge.com/nl-nl/](http://www.globalknowledge.com/nl-nl/)

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