

Oracle SQL

Cursusduur: 3 Dagen Cursuscode: OSP Trainingsmethode: Virtual Learning

Beschrijving:

Oracle SQL Course Overview

The Oracle SQL course is designed to give delegates practical experience in writing SQL statements and scripts using Oracle SQL. The basic SELECT statement, the use of SQL functions and the basic table and view handling statements are introduced.

Similarly, the course is targeted to closely follow the official Oracle Database curriculum for certification.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

Versions supported 12cR2, 18c and 19c.

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor) of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

Who will the Course Benefit?

Doelstelling:

■ Course Objectives

- To provide the skills needed to query and update data held in an Oracle Relational Database.
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Vereiste kennis en vaardigheden:

- There are no formal pre-requisites for the Oracle SQL course, although an understanding of databases and exposure to information technology in general would be useful. This knowledge can be gained by attendance on the Relational Databases & Data Modelling Overview course.
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Vervolg cursussen:

Further Learning

- Oracle PL/SQL
 - Oracle SQL Advanced
 - Oracle 19c SQL Performance Tuning
 - Oracle Database 19c Administration
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Oracle SQL Training Course Course Contents
- DAY 1

Session 1: RELATIONAL DATABASE
CONCEPTS

- What is an Oracle Database
- Relational Database Structures
- Tables, Rows and Columns
- Indexes, Primary Keys and Foreign Keys
- Data Types
- The Data Dictionary

Session 2: USING SQL*PLUS

- What is SQL*Plus
- Getting Started
- Entering and Executing SQL Statements
- The SQL*Plus Command Line History
- Editing SQL Statements
- The login.sql File
- Creating, Editing and Executing SQL Files
- The SQLcl Utility

Session 3: USING SQL DEVELOPER

- What is Oracle SQL Developer
- Starting SQL Developer
- Configure a Connection
- Navigation Tabs
- SQL Worksheet
- Query Builder

Session 4: RETRIEVING DATA WITH THE
SELECT STATEMENT

- The SELECT Statement
- The SELECT and FROM Clauses
- Conditions and the WHERE Clause
- Other Conditional Operators
- Logical Operators
- The ORDER BY Clause
- Column Aliases
- Arithmetic Expressions
- Precedence of Operators
- Markup CSV

Session 5: AGGREGATE FUNCTIONS

- Overview of Built In Aggregate Functions
- The GROUP BY Clause
- The HAVING Clause

Session 6: JOINING TABLES

- Overview of Table Joins
- Inner Joins
- Table Aliases
- Outer Joins
- Self Joins
- ANSI Standard Joins

Session 7: BASIC SUBQUERIES AND SET
OPERATORS

- Overview of Subqueries
 - Basic Subqueries
 - Set Operators
 - The Union, Intersect and Minus Operators
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Contents - DAY 2

Session 8: NUMERIC, CHARACTER AND
DATE FUNCTIONS

- Function Types
- Using the Table dual to try out Functions
- Numeric Functions
- Character Functions
- String Concatenation
- Date Arithmetic and Date Functions

Session 9: CONVERSION AND
MISCELLANEOUS FUNCTIONS

- Conversion Functions
- The NVL and NVL2 Functions
- The DECODE Function
- CASE Expressions
- The COALESCE and NULLIF Functions

Session 10: SQL PARAMETERS

- Command Line Substitution Parameters
- The Accept Command
- The Define and Undefine Commands

Session 11: COMPLEX SUBQUERIES

- Subqueries Usage
- In-Line Views
- Top-N Queries
- Subqueries with Joins
- Multi Column Subqueries
- Correlated Subqueries
- Subquery Rules
- Using the ANY, ALL and SOME
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Course Contents - DAY 3

Session 12: MANAGING DATA

- Inserting Rows
- Updating Rows
- Deleting Rows
- Verifying Updates
- Transaction Control
- Commit and Rollback
- Savepoints
- Commits and Constraints
- Amending Data in SQL Developer

Session 13: MANAGING TABLES

- Creating Tables
- Specifying Constraints
- Altering Tables, Columns and Constraints
- Dropping Tables, Columns and Constraints
- Recovering Dropped Tables
- Copying Tables

Session 14: MANAGING INDEXES AND
VIEWS

- Creating Indexes
- Dropping Indexes
- Listing Indexes
- Creating and Using Views
- Dropping Views
- Listing Views

Session 15: MANAGING SEQUENCES AND
SYNONYMS

- Create a Sequence
- View Sequence Details
- Create a Synonym
- List Synonyms

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/

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