

## Introduction to SQL on Oracle

**Duration: 1 Day    Course Code: ISQLO    Delivery Method: Company Event**

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### Overview:

#### Introduction to SQL on Oracle Course Overview

The Introduction to SQL on Oracle course is designed to give delegates practical experience in using SQL. Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered. Versions supported 12cR2, 18c, 19c.

#### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

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### Target Audience:

#### Who will the Course Benefit?

Anyone who needs to understand and use SQL to manipulate a database. There are no formal pre-requisites for this Introduction to SQL on Oracle course, although an understanding of databases and exposure to information technology in general would be useful.

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### Objectives:

- Course Objectives
    - To provide the knowledge and skills needed to retrieve data held in a relational database using Oracle Database.
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### Prerequisites:

- There are no formal pre-requisites for the Introduction to SQL on Oracle 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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### Follow-on-Courses:

#### Further Learning

- Oracle SQL
  - Oracle 19c SQL Performance Tuning
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## Content:

### Introduction to SQL on Oracle 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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## Further Information:

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

[info@globalknowledge.be](mailto:info@globalknowledge.be)

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