



Introduction to SQL on Oracle

Duration: 1 Day **Course Code: ISQLO** **Delivery Method: Virtual Learning**

Overview:

The Introduction to SQL on Oracle course is designed to give delegates practical experience in using SQL. Versions supported 11gR2,12cR2,18c,19c.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

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.

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.

Follow-on-Courses:

- Oracle SQL (OSP)
 - Oracle 12c SQL Performance Tuning (O12CSPT)
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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

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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