Introduction to SQL

Category: Software Development & Programming | **Vendor:** Various

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Introduction to SQL course is designed to give delegates practical experience in using ANSI standard SQL. As it is a generic course, some of the differences between different vendors' implementations will be noted.

About This Course

The Introduction to SQL course is designed to give delegates practical experience in using ANSI standard SQL. As it is a generic course, some of the differences between different vendors' implementations will be noted.

Who Should Attend

Anyone who needs to understand and use SQL to manipulate a database.

Prerequisites & Entry Requirements

General Prerequisites:

There are no formal pre-requisites for this Introduction to SQL course, although an understanding of databases and exposure to information technology in general would be useful.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Creating SQL statements to query a database table
- Using standard aggregate functions and related SELECT statement clauses
- Joining Tables
- Using basic subqueries and the set operators

Detailed Course Outline

Course Contents - DAY 1

Course Introduction

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

Session 1: RELATIONAL DATABASE CONCEPTS

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

Session 2: 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 Operations
- Precedence of Operators

Session 3: AGGREGATE FUNCTIONS

- Overview of Built in Aggregate Functions
- The Group By Clause
- The Having Clause

Session 4: JOINING TABLES

- Overview of Table Joins
- Inner Joins
- Table Aliases
- Outer Joins
- Self Joins
- ANSI Join Syntax

Session 5: BASIC SUBQUERIES AND SET OPERATORS

- Overview of Subqueries
- Basic Subqueries

- Set Operators

Skills You Will Learn:

- Creating SQL statements to query a database table
- Using standard aggregate functions and related SELECT statement clauses
- Joining Tables
- Using basic subqueries and the set operators

Frequently Asked Questions

Q: What delivery options are available for Introduction to SQL?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Introduction to SQL course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to SQL training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to SQL?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to SQL. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Introduction to SQL, Programming, ISQL

Q: Why choose Nexus Human for Introduction to SQL?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Introduction to SQL training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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