SQL Intro-Intermediate (with MS Access as a platform)

Course Objectives

Conditional Operators

Aggregate Functions

Various Clauses

Joins

Subqueries

Adding, Updating, Deleting records and tables

Using Indexes

Audience

This course is **designed for new users of SQL, or self-taught users**. The course covers various aspects of querying your data using SQl with MS Access as a platform.

Pre-requisite

No Prior experience or knowledge of SQL is required to attend this course. However, use or understanding of MS Access Queries or similar would be beneficial. **You must have good basic windows, keyboard and mouse skills.**

Duration

This is **a 2 day SQL Intro- Intermediate** course. The course starts at **09:30** and runs until **16:30. Alternate timings** can be arranged upon request. The course can be held on a **date that suits you.**

Locations

Our **SQL Introduction** course can be run onsite, at **our training venue** near **Kings Cross (London)** or any preferred location in the **UK or Europe**.

SQL Intro- Intermediate (with MS Access as a platform) course outline

Relational database concepts

Queries in MS Access databases

SELECT - FROM statement (including DISTINCT)

WHERE statement; conditional operators including logical operators, wildcards, LIKE, BETWEEN, IN, AND, OR

ORDER BY

Calculated columns & aliases

Aggregate functions (eg SUM, MIN, MAX, AVG)

Date calculations (eg DATE, DATEPART, DATEADD, DATEDIFF)

GROUP BY clause

HAVING clause

Joins (inner, outer, self-joins)

UNION operator

Subqueries

Adding data using SELECT INTO, INSERT INTO

Updating existing records; SET statement

Deleting records eg DELETE FROM

Creating tables using CREATE TABLE

Deleting tables using DROP TABLE

Modifying table design using ALTER TABLE; adding, changing, deleting columns

creating indexes using CREATE INDEX

Deleting indexes using DROP INDEX

Deleting databases