



Technical Courses

SQL Intermediate

Format: One Day:
Max Capacity 6

Further development of SQL querying skills building on SQL Introduction elements and covering some of the more advanced functions and statements.

Course Content

Review previous level objectives

A quick review to ensure knowledge of general select statements and syntax

Selecting unique data

How to extract unique information: For example, In which cities do my client reside

Copying data to new tables

Create a query that copies the results into a new table to work with data there

Grouping information

Grouping information by a field
For example; clients by county

Extracting data from text strings

When you would like to extract data from a field e.g. Just give me the first 5 characters

Extracting data from dates and numbers

Working with dates to show the information you want e.g. Extract month from a date or tell me how many years there are between two dates

Understanding advanced functions

Looking at how to use more advanced functions to extract and manipulate database information e.g. date parts, change case, convert data, top or bottom values

Work with Nulls

Concatenation with nulls, testing for null values and entering your own values for them

Introduce CASE Expressions

Test if a value is met and in a new column, specify your own, then test for the next condition, and

specify that value. This is like a nested IF function or IF, Then, Else

SQL Aliases

Assigning another name for a table, field or extracted data. e.g. company renamed client

Working with SQL joins

Building efficient code to extract data from multiple tables, Right Join, Left Join, Inner join, Outer Join, Unions

Create, Delete and Change Objects

Write SQL code to create databases, tables, Indexes, Views, alter tables and delete databases, tables indexes and views