

DB202 DB2/SQL Workshop

- Course description** This course is designed to give a thorough understanding of the Structured Query Language, and makes extensive use of practical sessions in order to consolidate theory.
- Who Should Attend** Personnel requiring a complete understanding of SQL either as an end user (using QMF for example), or in a more technical environment.
- Pre-Requisites** None.
- Duration** 2 Days

Relational Database Introduction

SQL Host Environments
Tables, Columns & Rows
SQL Data Types

The Structured Query Language

Data Manipulation Language
Data Definition Language
Data Control Statements

The Basic Select Statement

Where
Distinct
Order By
And / Or
In / Between
Like
Not
Case
Group By
Having

Updating Tables

Insert
Update
Delete

Functions

Column Functions
Scalar Functions
Date & Time Functions

Sub-Selects

Single Value Sub-Selects
Multiple Value Sub-Selects
Correlated Sub-Selects
Exists

Expressions

Result Manipulation
Duration's
Special Registers

Null Values

Functional Overview
Not Null
Not Null With Default
User Defined Defaults
Restrictions & Considerations

Using Multiple Tables

Joins (Inner, Outer, Left, Right, Full)
Union

Basic Data Definition Language

Create / Drop / Alter
Tables
Views
Synonyms

Indexes

The Function Of Indexes
Index Types (type1, type2)
Advantages / Disadvantages

Authorisation Overview

Grant
Revoke
Table & View Privileges