

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