

Database Design

Duration

2 days

Description

This course is designed to show you how to design and develop databases in either Access or SQL.

Prerequisites

Those attending should have a good working knowledge of Windows. A basic understanding of databases is useful but not essential.

Relational Databases Basics

Relational database fundamentals, and development methodology overview.

Table Design

Tables
Fields
Records
Keys
Relationships
Indexes
Referential Integrity
Null Values
Normalization
Data Types
Creation and Deletion
Data Entry

Sample Database

Create a sample database to implement the above.

Business Rules

Covers constraints and defaults etc to be assigned to fields and tables.

Queries/Views

Select
Delete
Insert
Update
Union
Controlling transactions
Parametres
Altering
Distinct
Group By
Order By
Sorting
Operators
Multiple tables
Where
Having
Joins
SubQueries
Query Tips

SQL Specific

Covers topics such as triggers, user security and stored procedures.

Front Ends

Looks at the various options for allowing users to access and manipulate the data.