

Course Outline MS Access 2003 – Design

Overview:

This course offers delegates an introduction to the design of relational database systems. In particular, the course covers ER (entity-relationship) approaches to data modelling, the relational model of relational database management systems (RDMS) and an overview of the use of query languages such as SQL. The course includes practical exercises and the delegate will have the opportunity to design and implement a simple relational database using Microsoft Access Tools.

Relational Database Design

- What is a Database?
- Database tables
- Table Relationships
- Using Queries
- Using Forms

An Introduction to SQL

- An Introduction to ANSI Structured
- Query Language (SQL)
- SQL and Relational Databases Definitions
- Data Organisation
- What does SQL do?

Stages in Database Design

- Tables/Entities
- Determining Attributes/ Columns/Fields
- Table Relationships
- Entity-Relationship (ER) model
- Primary and Foreign Keys
- Referential Integrity
- Data Integrity
- Data Normalisation
- Table indexing strategy
- Implementing an ER Model using MS Access

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If you would like to know more about any of the topics please contact Marie on 01689 877117 or marie@refine-it.co.uk