

SQL Essentials

This course is for people who access information from databases in their work. It is at foundation level, with only general computer literacy required.

Course Outline

A. Introductions

B. Introduction to relational databases

- Issues with recording data
- Designing a data model
- Components of a database
- Different vendors and the ANSI Standard

C. Retrieving records from one table

- All records/ particular columns/ particular rows
- Searching for a portion of a string
- Formatting output
- Sorting records

D. Creating, Amending and Populating Tables

- Specifying data types
- Ensuring records can be uniquely identified
- Ensuring data across tables is consistent

E. Retrieving records from more than one table

- Bringing back linked records from the tables
- Retrieving records with/ without matches on other tables

F. Producing Summary data

- Biggest/ smallest/ average values overall
- Numbers of records in specific categories

Timings:

A – 9.30 – 9.45

B – 9.45 – 10.30

C – 10.40 – 11.40

D – 11.40 – 12.30

Lunch 12.30 – 1.30

E – 1.30 – 3.00

F – 3.10 – 4.30 + Context/ Finish