



## SQL Fundamentals (SQL)

### Course overview

This course is for anyone wishing to gain an introduction to Relational Database Management Systems (RDBMS) and an insight into the fundamentals of the Structured Query Language (SQL). With knowledge gained from the course, participants will be able to retrieve and analyse data from single and multiple tables in any RDBMS (SQL Server, Oracle, DB2, Sybase etc.) or even the simplest Access application. The skills will help anyone to perform basic data analysis and reporting activities like filtering, sorting, grouping and co-relating. This is essentially a hands-on course but the general concepts of relational databases and SQL will be highlighted in theoretical discussion as appropriate.

### Suitable for

This introductory level course is suitable for anyone who:

- needs to extract, analyse and report on data in their job role
- develops applications that communicate with back-end databases (e.g. web sites)
- wants to gain a basic understanding of relational database concepts and the SQL language
- wishes to become a database professional or is a student of information systems management / IT

### Course Outcomes & Benefits

Many employers regard SQL as a valuable skill, used in a wide variety of job functions. It is the de-facto language used by analysts and web developers, database programmers and administrators. This course can be a first step to these career paths. It will also be beneficial to people who already have to work with data in their regular jobs (e.g. preparing reports) but who want to gain an understanding of what goes on 'behind the scenes'.

### Course Content

- Relational database concepts
- SQL and its history
- Basic SELECT operation to retrieve data
- Using relational and logical operators to filter data
- Sorting and grouping data, more filtering techniques
- Modifying, inserting and deleting data
- Using sub-queries and joins to co-relate data from multiple tables.
- Popular SQL products

### Duration & Course Dates

1 day Sat 21/03/09 or Sat 02/05/09  
Sat 19/09/09 or Sat 21/11/09

### Cost

\$375

### Assessment

There is no assessment on this course.

### Location

Ground Floor UNSW L5 Building, 223 Anzac Parade, Kensington NSW 2033

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