



## SQL Extended (SQ2)

### Course overview

This course builds on the skills learned from the SQL Fundamentals course, and will be helpful for anyone who wants to design, develop or maintain a database application in Microsoft SQL Server environment.

More advanced features of SQL are discussed with emphasis on Transact SQL (T-SQL). In this course the participants will learn how ANSI SQL's power is extended by T-SQL, how to create database tables and views, understand T-SQL programming constructs and common functions as well as experience the principles of transactional data processing. Finally, all these concepts will be brought together to show the strength of stored procedures and triggers – the two core components of any database application.

### Suitable for

This course is suitable for anyone who:

- has completed the SQL Fundamentals course or has good exposure to ANSI SQL commands
- has experience in other database platforms and wants to gain exposure to Microsoft SQL Server.
- works as a data analyst, database developer / administrator or web developer or is a student of Information Systems Management / IT

### Course Outcomes & Benefits

Enterprise database developers are a special kind of IT professionals who can demand competitive salary benefits and challenging projects in today's job market. There is particular demand for skilled database professionals and this course can be a valuable learning experience for anyone wishing to take that path.

### Course Content

- Basic concepts of Transact SQL and how it differs from ANSI SQL
- Working with tables: defining fields and their properties, creating, modifying and deleting database tables
- Working with views
- Transact SQL built in functions. String, date/time and system functions and how they enhance ANSI SQL capabilities
- Programming with T-SQL: conditional branching, looping and error handling
- Advanced programming techniques with T-SQL: defining transactions and cursors
- Working with stored procedures: writing parameterised stored procedures
- Working with triggers: different classes of triggers

### Duration & Course Dates

1 day Sat 28/03/09 or Sat 09/05/09 or  
Sat 26/09/09 or Sat 28/11/09

### Cost

\$375

### Location

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

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