



Writing Queries for Microsoft SQL Server

Course Length: 1 Day

The goal of this course is to provide students with the technical skills and knowledge to write Transact-SQL statements for Microsoft SQL Server. Upon completion, students will be able to retrieve and modify data from SQL Server and understand how to perform these operations whilst maximising query performance.



Course Outline:

- **SQL Server and TSQL Overview:** Provides a high-level overview of Microsoft SQL Server and Transact SQL
- **Introduction to Query Analyzer and SSMS:** Introduces Query Analyzer and SQL Server Management Studio (SSMS) as tools for connecting to Microsoft SQL Server
- **Retrieving Information From a Table:** Reviews knowledge on basic ANSI database terminology and introduce the SELECT statement and the basic options commonly used with it
- **Grouping and Totaling the Returned Rows:** Provides an introduction to grouping and aggregate functions
- **Getting Information From More Than One Table:** Introduces joins and join structures
- **Using the Results of Queries in Other Queries:** Introduces the concept of reusing the rowsets returned by queries as tables in other queries
- **Modifying Values in a Table:** Covers the basic Transact SQL syntax needed to insert, update and delete rows