

## Querying Data with Microsoft Transact-SQL

**Duration: 2 Days**    **Course Code: M-DP080**

### Overview:

This course will teach the basics of Microsoft's dialect of the standard SQL language: Transact-SQL. Topics include both querying and modifying data in relational databases that are hosted in Microsoft SQL Server-based database systems, including: Microsoft SQL Server, Azure SQL Database and, Azure Synapse Analytics.

### Target Audience:

This course can be valuable for anyone who needs to write basic SQL or Transact-SQL queries. This includes anyone working with data as a data analyst, a data engineer, a data scientist, a database administrator or a database developer. It can also be useful for others peripherally involved with data, or wanting to learn more about working with data such as solution architects, students and technology managers.

### Prerequisites:

Familiarity with working with tables of data, for example in a spreadsheet.

### Content:

#### Module 1: Introduction to Transact-SQL

- This module provides an introduction to relational databases, the SQL language and Transact-SQL. You'll learn what kinds of statements make up the SQL language and look at the SELECT statement in detail.

#### Module 2: Sort and filter results in T-SQL

- Learn how to sort and filter query results

#### Module 3: Combine multiple tables with JOINS in T-SQL

- Explore T-SQL queries accessing data from multiple tables with various kinds of JOIN operations.

#### Module 4: Write Subqueries in T-SQL

- Learn how to use subqueries to combine multiple SELECT statements and compose nested queries.

#### Module 5: Use built-in functions and GROUP BY in Transact-SQL

- Learn how to use functions in Transact-SQL, and how to group aggregated results.

#### Module 6: Modify data with T-SQL

- Learn how to use Transact-SQL to insert, update, and delete data in a database.

### Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

[info@globalknowledge.co.uk](mailto:info@globalknowledge.co.uk)

[www.globalknowledge.com/en-gb/](http://www.globalknowledge.com/en-gb/)

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK