

**Querying Data with Microsoft Transact-SQL (DP-080)**

**Course Number:** MOC-DP-080
**Duration:** 2 days

**Overview**

Microsoft course DP-080, Querying Data with Microsoft Transact-SQL training, teaches attendees the basics of Transact-SQL. Students learn how to query and modify data in relational databases hosted in Microsoft SQL Server-based database systems, including Microsoft SQL Server, Azure SQL Database, and Azure Synapse Analytics.

**Prerequisites**

All students should have:

* Experience using Transact-SQL SELECT queries to retrieve data from tables in a database.
* Basic knowledge of the Microsoft Windows operating system and its core functionality.

**Materials**

All Microsoft Azure training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* Understand relational databases, the SQL language, and Transact-SQL
* Sort and filter query results
* Explore T-SQL queries accessing data from multiple tables with various JOIN operations
* Use subqueries to combine multiple SELECT statements and compose nested queries
* Use functions in Transact-SQL and how to group aggregated results

**Outline**

* Introduction to Transact-SQL
* Sort and filter results in T-SQL
* Combine multiple tables with JOINs in T-SQL
* Write Subqueries in T-SQL
* Use built-in functions and GROUP BY in Transact-SQL