

Query and modify data with Transact-SQL

Courses Code: DP-080T00

Duration: 2 Days

Delivery Mode: Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

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.

Skills Covered

- Use SQL Server query tools to execute Transact-SQL statements.
- Write SELECT statements to retrieve data from one or more tables.
- Sort and filter data returned by queries.
- Use built-in functions and group data (e.g., aggregate results).
- Modify data with Transact-SQL: use INSERT, UPDATE, DELETE, and MERGE statements.

Who Should Attend

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.

Course Modules

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.

2. Sort and filter results in T-SQL

Learn how to sort and filter query results



3. Combine multiple tables with JOINS in T-SQL

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

4. Write Subqueries in T-SQL

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

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.

6. Modify data with T-SQL

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

Ref: <https://trainocate.com/courses/microsoft/dp-080t00-querying-data-with-microsoft-transact-sql-training>

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