

MS-DP080T00: QUERY AND MODIFY DATA WITH TRANSACT-SQL

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	CERTIFICATION
2 Days	Beginner	Azure	Instructor-led	N/A

INTRODUCTION

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, Azure Synapse Analytics, and Microsoft Fabric.

AUDIENCE PROFILE

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

Before starting this learning path, you should have:

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

COURSE CONTENT

Module 1: Query and modify data with Transact-SQL

Learn how to use Transact-SQL to query data in a database.

Module 1.1: 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 1.3: Combine multiple tables with JOINS in T-SQL

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

Module 1.5: Use built-in functions and GROUP BY in Transact-SQL

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

COURSE OBJECTIVES

After completing this course, students will be able to:

- Understand relational databases and SQL basics
- Query data using SELECT statements
- Work with multiple tables using JOINS
- Create and use subqueries
- Apply built-in functions and aggregate data
- Modify data with INSERT, UPDATE, DELETE

Module 1.2: Sort & filter results in T-SQL

Learn how to sort and filter query results

Module 1.4: Write subqueries in T-SQL

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

Module 1.6: Modify data with T-SQL

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

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification or Exam for this course.