

# Querying Data with Microsoft Transact-SQL

## Description

This course teaches 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.

### Classroom Registration Price (CHF)

1800

### Virtual Classroom Registration Price (CHF)

1700

### Course Content

#### Module 1: Getting Started with Transact-SQL

- Introduction to Transact-SQL
- Using the SELECT statement

#### Module 2: Sorting and Filtering Query Results

- Sorting query results
- Filtering the data

#### Module 3: Using Joins and Subqueries

- Using JOIN operations
- Using subqueries

#### Module 4: Using Built-in Functions

- Getting started with scalar functions
- Grouping aggregated results

#### Module 5: Modifying Data

- Inserting data into tables
- Modifying and deleting data

### Lab / Exercises

#### Official Microsoft Labs

- Get started with SQL Server query tools and writing queries in T-SQL
- Sort and filter data returned by SELECT queries
- Write queries with JOIN operations
- Write SELECT statements using subqueries
- Built-in functions
- Modify data

### Documentation

- Access to Microsoft Learn (online learning content)

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## Participant profiles

- Database Administrators
- Database Developers
- Business Intelligence professionals
- SQL power users who aren't necessarily database-focused such as report writers, business analysts and client application developers

## Prerequisites

- No prerequisites

## Objectives

- Use SQL Server query tools
- Write SELECT statements to retrieve columns from one or more tables
- Sort and filter selected data
- Use built-in functions to returned data values
- Create groups of data and aggregate the results
- Modify data with Transact-SQL using INSERT, UPDATE, DELETE and MERGE

## Niveau

Fondamental

## Duration (in Days)

2

## Reference

DP-080T00