



Kursus
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Sted
Taastrup
Taastrup
Aarhus
Taastrup

Querying Data with Microsoft Transact-SQL [DP-080T00]

Lær om standard SQL-sproget Transact-SQL. På kurset får du indblik i forespørgsel og ændring af data i relationsdatabaser, der hostes i Microsoft-baserede databasesystemer herunder Microsoft SQL Server, Azure SQL Database og Azure Synapse Analytics.

Deltagerprofil

Kurset er relevant for dig, som gerne vil lære at skrive grundlæggende SQL eller Transact-SQL-forespørgsler. Du arbejder typisk med data som dataanalytiker, dataengineer, datascientist, databaseadministrator eller databaseudvikler.

Forudsætninger

Du forventes at have kendskab til relationelle databaser.

Udbytte

- Lær, hvordan du laver SQL Server forespørgsler
- Lær at skrive SELECT sætninger for at hente kolonner fra en eller flere tabeller
- Lær, hvordan du sorterer og filtrer
- Lær at bruge built-in funktioner til dataværdier
- Lær, hvordan du opretter grupper af data og hvordan du samler resultaterne



- Lær at redigere data med Transact-SQL ved hjælp af INSERT, UPDATE, DELETE and MERGE

Det får du på arrangementet

- Erfaren underviser
- Fuld forplejning
- Gratis parkering
- Materiale på dansk
- Undervisning på dansk
- Certificeret underviser

Indhold

Modul 1: Getting started with Transact-SQL

- In this module you will learn about the basics of the Transact-SQL (T-SQL) language, as well as general properties and terminology of relational databases. This module will also introduce the basic SELECT statement for retrieving data from a table.
 - Introduction to Transact-SQL
 - Using the SELECT statement

Module 2: Sorting and Filtering Query Results

- In the module you will learn how to control what data is returned, the order in which it is returned. You will use the ORDER BY clause, with and without paging. You will learn about various kinds of filters that can be used in the WHERE clause to control which data rows are returned. You will also learn how to manage the results by removing duplicates with DISTINCT.
 - Sorting query results
 - Filtering the data

Module 3: Using Joins and Subqueries

- In this module, you will explore T-SQL queries which access data from multiple tables with various kinds of JOIN operations and simple subqueries.
 - Using JOIN operations
 - Using subqueries

Module 4: Using Built-in Functions

- In the module you will explore the use of built-in functions for returning computed or special values in the SELECT list or in the WHERE clause. Functions include math functions, string functions and system functions. There are other types of functions that will be mentioned, but not discussed in detail. You will also learn how to combine rows of data into a single group, providing summary information for the group such as SUM, MIN or MAX.
 - Getting started with scalar functions
 - Grouping aggregated results

Module 5: Modifying Data

- In this module, you will learn the T-SQL statements for modifying table data including UPDATE, DELETE and MERGE as well as various options for INSERT including creating a new table with data from an existing table. You will also look at how to have the system automatically supply values for columns as the data is inserted.
 - Inserting data into tables
 - Modifying and deleting data

Overvej du et kursus i SQL Server?

Microsofts SQL server kommer med mange fordele, som for eksempel stor sikkerhed og skalerbarhed. I denne artikel kan du læse mere om, hvorfor du skal tage et kursus i SQL Server.

[Få 5 fordele ved SQL Server](#)

UNDERVISER

Undervisningen varetages af en erfaren underviser fra Teknologisk Instituts netværk bestående af branchens dygtigste undervisere.

Har du faglige spørgsmål så kontakt



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