



Kursus 5 dage Nr. 87760 A	DKK 19.499 ekskl. moms
Dato	Sted
19-11-2020	Taastrup
14-01-2021	Aarhus
08-03-2021	Taastrup
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06-09-2021	Taastrup

Querying Data with Transact-SQL 2016 [20761]

Lær at skrive grundlæggende Transact-SQL forespørgsler på Microsoft SQL Server 2016. Dette kursus danner grundlaget for alle SQL Server-relaterede discipliner, som databaseadministration, databaseudvikling og Business Intelligence.

Forudsætninger

Du forventes at have kendskab til relationelle databaser.

Deltagerprofil

Kurset er rettet mod alle, som arbejder med SQL-databaser og giver dig den grundlæggende viden om Transact-SQL forespørgsler.

Indhold

Module 1: Introduction to Microsoft SQL Server 2016

- The Basic Architecture of SQL Server
- SQL Server Editions and Versions
- Getting Started with SQL Server Management Studio

Module 2: Introduction to T-SQL Querying



- Introducing T-SQL
- Understanding Sets
- Understanding Predicate Logic
- Understanding the Logical Order of Operations in SELECT statements

Module 3: Writing SELECT Queries

- Writing Simple SELECT Statements
- Eliminating Duplicates with DISTINCT
- Using Column and Table Aliases
- Writing Simple CASE Expressions

Module 4: Querying Multiple Tables

- Understanding Joins
- Querying with Inner Joins
- Querying with Outer Joins
- Querying with Cross Joins and Self Joins

Module 5: Sorting and Filtering Data

- Sorting Data
- Filtering Data with Predicates
- Filtering with the TOP and OFFSET-FETCH Options
- Working with Unknown Values

Module 6: Working with SQL Server 2016 Data Types

- Introducing SQL Server 2016 Data Types
- Working with Character Data
- Working with Date and Time Data

Module 7: Using DML to Modify Data

- Inserting Data
- Modifying and Removing Data
- Generating automatic column values

Module 8: Using Built-In Functions

- Writing Queries with Built-In Functions
- Using Conversion Functions
- Using Logical Functions
- Using Functions to Work with NULL

Module 9: Grouping and Aggregating Data

- Using Aggregate Functions
- Using the GROUP BY Clause
- Filtering Groups with HAVING

Module 10: Using Subqueries

- Writing Self-Contained Subqueries
- Writing Correlated Subqueries
- Using the EXISTS Predicate with Subqueries

Module 11 Using Table Expressions

- Using Views



- Using Inline Table-Valued Functions
- Using Derived Tables
- Using Common Table Expressions

Module 12: Using Set Operators

- Writing Queries with the UNION Operator
- Using EXCEPT and INTERSECT
- Using APPLY

Module 13: Using Windows Ranking, Offset, and Aggregate Functions

- Creating Windows with OVER
- Exploring Window Functions

Module 14: Pivoting and Grouping Sets

- Writing Queries with PIVOT and UNPIVOT
- Working with Grouping Sets

Module 15: Executing Stored Procedures

- Querying Data with Stored Procedures
- Passing Parameters to Stored procedures
- Creating Simple Stored Procedures
- Working with Dynamic SQL

Module 16: Programming with T-SQL

- T-SQL Programming Elements
- Controlling Program Flow

Module 17: Implementing Error Handling

- Implementing T-SQL error handling
- Implementing structured exception handling

Module 18: Implementing Transactions

- Transactions and the database engines
- Controlling transactions

Microsoft Software Assurance Vouchere

Kurset kan betales med 5 SA Vouchere

Certificering

Kurset leder hen mod eksamen [70-761 Querying Data with Transact-SQL 2016](#). Eksamen bestilles og betales særskilt.

Eksamen 70-761 er en del af certificeringen **MCSA SQL 2016 Database Development**.

[Læs mere om IT-certificering her](#).

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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