

Basics of Writing Queries in T-SQL Language on Microsoft SQL Server Platform

Course code: GOC277

Introductory course provides students with all necessary technical skill to write T/SQL queries for Microsoft SQL Server. Targeted platform is broad range actually supported Microsoft SQL Servers. The course is intended for junior database developers, administrators and power users or information workers.

Affiliate	Duration	Course price	ITB
Praha	3	21 000 Kč	30
Brno	3	21 000 Kč	30
Bratislava	3	840 €	30

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
27.04.2026	3	18 900 Kč	Presence	CZ/SK	GOPAS Brno
15.06.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
☀ 20.07.2026	3	840 €	Presence	CZ/SK	GOPAS Bratislava
☀ 03.08.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Brno
☀ 12.08.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
12.10.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
18.11.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Brno
21.12.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha

The prices are without VAT.

Who is the course for

Junior database administrators and developers

Power users or information workers

What we teach you

- Write SELECT queries to retrieve data
- Group and summarize data by
- Join data from multiple tables
- Write queries that retrieve and modify data by using subqueries

Required skills

Basic knowledge of relational databases (tables, relations, etc.)

Course Outline

Introduction to T-SQL

- Basic terminology (DCL, DDL, DML, comments, variables, loops, conditions)
- Data types
- Operators (logical, arithmetical, concatenation)
- System functions (GETDATE, CHARINDEX, ISNULL)
- Management Studio

Basics of the SELECT statement

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Basics of Writing Queries in T-SQL Language on Microsoft SQL Server Platform

- Selecting data with SELECT, WHERE, FROM
- Columns, constants, expressions
- Conditions and operators

Join tables

- Why and how join tables together
- INNER JOIN
- LEFT, RIGHT, FULL OUTER JOIN
- CROSS JOIN
- UNION

Aggregation in queries

- Aggregation functions
- GROUP BY
- HAVING
- Duplicity testing
- Ranking functions (ROW_NUMBER, NTILE, RANK, DENSE_RANK)

Subqueries

- Subquery in SELECT
- Subquery in FROM
- Subquery in WHERE

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