

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
 08.10.2025	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
29.10.2025	3	21 000 Kč	Presence	CZ/SK	GOPAS Brno
05.11.2025	3	840 €	Online	CZ/SK	Online
05.11.2025	3	21 000 Kč	Online	CZ/SK	Online
08.12.2025	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
14.01.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Brno
 09.02.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
08.04.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
27.04.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Brno
03.06.2026	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)

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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

- Management Studio

Basics of the SELECT statement

- 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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