

# 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
 08.04.2026	3	21 000 Kč	Presence	CZ/SK	GOPAS Praha
 08.04.2026	3	21 000 Kč	Online	CZ/SK	Online
 08.04.2026	3	840 €	Online	CZ/SK	Online
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)

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

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

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2026 GOPAS, a.s.,  
All rights reserved

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

- System functions (GETDATE, CHARINDEX, ISNULL)
- 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

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

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

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2026 GOPAS, a.s.,  
All rights reserved