

# Introduction to SQL in MySQL

Course code: GOC660

The course Introduction to SQL in MySQL is designed for anyone who wants to learn techniques for working with data in a MySQL database system. Students will gain a comprehensive overview of SQL syntax and acquire practical skills to use it on real examples.

| Affiliate  | Duration | Course price | ITB |
|------------|----------|--------------|-----|
| Praha      | 3        | 12 600 Kč    | 30  |
| Brno       | 3        | 12 600 Kč    | 30  |
| Bratislava | 3        | 540 €        | 30  |

The prices are without VAT.

## Course terms

| Date                                                                                           | Duration | Course price | Type     | Course language | Location            |
|------------------------------------------------------------------------------------------------|----------|--------------|----------|-----------------|---------------------|
|  05.11.2025   | 3        | 540 €        | Presence | CZ/SK           | GOPAS Bratislava    |
|  01.12.2025   | 3        | 12 600 Kč    | Presence | CZ/SK           | GOPAS Brno          |
| 14.01.2026                                                                                     | 3        | 12 600 Kč    | Presence | CZ/SK           | GOPAS Praha Pankrác |
| 04.02.2026                                                                                     | 3        | 540 €        | Online   | CZ/SK           | Online              |
| 30.03.2026                                                                                     | 3        | 12 600 Kč    | Presence | CZ/SK           | GOPAS Brno          |
| 27.04.2026                                                                                     | 3        | 12 600 Kč    | Presence | CZ/SK           | GOPAS Praha         |
| 04.05.2026                                                                                     | 3        | 540 €        | Presence | CZ/SK           | GOPAS Bratislava    |
|  08.07.2026 | 3        | 540 €        | Online   | CZ/SK           | Online              |

The prices are without VAT.

## Who is the course for

- Junior programmers and administrators MySQL
- Advanced users who want to familiarize themselves with the MySQL, or need to work with data in v MySQL

## After completing this course, students will be able to use new features in these areas:

- MySQL overview
- The SELECT
- Using multiple data sources
- Functions
- Data modification

## Required skills

- Basic computer literacy
- Understand the basics of relational databases

## Course Outline

### Introduction to SQL and MySQL database system

- Basic overview of the MySQL database system
- The basic structure of the database
- Overview of client tools
- MySQL installation basics
- Introduction and overview of SQL language

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# Introduction to SQL in MySQL

## The SELECT

- The basic structure and design of the SELECT statement
- FROM and types of data sources
- ORDER BY, DISTINCT, TOP
- WHERE and operators (AND, OR, NOT, BETWEEN, IN atd.)
- Working with NULL

## Using multiple data sources

- The reasons for joining, basics relation
- JOIN types (INNER, OUTER, CROSS, NATURAL)
- Self Join
- Set operators

## Functions

- System functions
- Aggregate functions
- Cross Tab

## Data modification

- INSERT
- UPDATE
- DELETE
- Temporary tables and their use

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