

# Advanced SQL in MySQL

Course code: GOC663

If you want to expand your knowledge of SQL language, this course is for you. Students will be introduced to advanced techniques using SQL, such as subqueries, regular expressions, advanced functions and complex structure queries to obtain the desired dataset.

Affiliate	Duration	Course price	ITB
Praha	3	15 300 Kč	30
Brno	3	15 300 Kč	30
Bratislava	3	660 €	30

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
10.03.2025	3	15 300 Kč	Presence	CZ/SK	Gopas Praha Prezenční
17.03.2025	3	15 300 Kč	Online	CZ/SK	Gopas Praha Online
21.05.2025	3	15 300 Kč	Presence	CZ/SK	Gopas Praha Prezenční
18.06.2025	3	660 €	Presence	CZ/SK	Gopas Bratislava Prezenční

The prices are without VAT.

## Who is the course for

- Developers and users who want to learn how to use advanced SQL techniques and methods

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

- MySQL overview
- Use advanced techniques with the SELECT statement
- Use subqueries
- Overview and use the advanced features
- Advanced techniques of SQL language

## Required skills

- Basic knowledge of IT and PC
- Knowledge of SQL in MySQL

## Course Outline

### MySQL overview

- Overview of the MySQL database system
- The installation procedure
- MySQL Tools

### Advanced techniques with the SELECT statement

- Advanced operators
- Regular Expressions
- LIMIT
- Practical examples

### Subqueries

- Reason for using subqueries

#### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[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.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved

# Advanced SQL in MySQL

- Stand-alone subqueries
- Correlated subqueries
- Subquery Operators (EXISTS, IN, ANY, ALL)

## Overview and use the advanced features

- Functions for working with different data types
- Conversion of data types
- Metadata function
- Working with XML
- Advanced aggregation techniques

## Advanced techniques of SQL language

- Working with hierarchical data structures and recursion
- Advanced techniques of joining data sources
- Action queries
- Advanced subqueries and operators

### **GOPAS Praha**

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[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.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved