

Optimizing SQL queries in MySQL

Course code: GOC664

The course Optimizing SQL queries in MySQL contains all important information and techniques to ensure optimal performance of your queries or used MySQL database system functionality.

Affiliate	Duration	Course price	ITB
Praha	2	9 000 Kč	20
Brno	2	9 000 Kč	20
Bratislava	2	400 €	20

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
 24.11.2025	2	9 000 Kč	Telepresence	CZ/SK	GOPAS Praha
 07.04.2026	2	9 000 Kč	Telepresence	CZ/SK	GOPAS Praha
 07.04.2026	2	9 000 Kč	Telepresence	CZ/SK	GOPAS Brno
 07.04.2026	2	400 €	Telepresence	CZ/SK	GOPAS Bratislava

The prices are without VAT.

Who is the course for

- The course is designed for database professionals who have experience with the development of database system and want to know how to write optimized SQL queries

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

- Use advanced techniques for optimizing SQL
- Design and use indexes
- Optimization procedure
- Other optimization methods

Required skills

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

Course Outline

Recap advanced queries to optimize performance

- Integrity Constraints
- Join techniques
- Subqueries and Operators

Indexes

- Structure and types of indexes
- Design and development indexes
- Index usage with SELECT statement
- Explain
- FullText search

Performance optimization

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Optimizing SQL queries in MySQL

- Restructuring query
- Practical approach to optimizing

Other types of optimization

- Partitioning
- Optimization tables
- Cache
- Configure MySQL
- Important configuration parameters to optimize

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