# 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.

#### 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

- Restructuring query
- Practical approach to optimizing

## Other types of optimization

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

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



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