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.

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

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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