

Course : SQL for MySQL

Practical course - 2d - 14h00 - Ref. MYP

Price : 1600 CHF E.T.

★★★★★ 5 / 5

This course introduces you to the SQL language in a MySQL environment. You'll learn how to use tables and views, perform simple queries, joins, data groupings and nested queries. All these skills remain valid with other relational databases.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Master SQL query client tools
- ✓ Create tables and update their contents
- ✓ Using views
- ✓ Write database queries and sort data
- ✓ Understanding multi-table queries (joins)
- ✓ Write more advanced queries using grouping functions and nested queries

Intended audience

Anyone wishing to use SQL in MySQL environments.

Prerequisites

No special knowledge required.

Course schedule

1 Introduction

- MySQL server.
- Versions and evolution.
- Resources and documentation.
- MySQL client tool.

2 Relational model

- The principles of the relational model.
- Relational algebra: relational operations on data sets.
- Introduction to SQL.

PARTICIPANTS

Anyone wishing to use SQL in MySQL environments.

PREREQUISITES

No special knowledge required.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

3 Objects

- Data types in MySQL.
- Table creation.
- Use of auto-incrementing columns.
- Using views.

Hands-on work

Use of "mysql" tools. Creating tables and updating data. Using views.returnchariot

4 Simple requests

- Query (SELECT).
- The update.
- Operators and criteria.
- Transactions.

Hands-on work

Write simple SQL queries.

5 Sorting and aggregates

- Sorting and duplicates: ORDER BY clause, LIMIT clause, OFFSET clause, deleting duplicates.
- Use of NULL: IS NULL operator.
- Using functions.
- Use of aggregates.

Hands-on work

Handle sorting and aggregation functions.

6 Joints

- Cartesian product.
- Internal joint.
- External joint.

7 Complex requests

- Nested queries: IN operator, EXISTS operator, more general nested queries.
- Set operators (union, intersection, difference).
- Data grouping (GROUP BY, HAVING clause).

Hands-on work

Write simple SQL queries. Use functions and aggregates, nested joins and queries, GROUP BY and HAVING.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS

2026 : 15 June, 28 Sep., 14 Dec.