Course : SQL for MySQL

Practical course - 2d - 14h00 - Ref. MYP
Price : 1360 € 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.

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.

Dates and locations

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

PARIS LA DÉFENSE
2026 : 15 June, 28 Sep., 14 Dec.