Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Web creation courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

290,00 €

PRICE INCL. VAT

356,70 €

including 23 % VAT

PDF SYLLABUS

MySQL Programming and Database Work

Clear overview of course topics, training scope and key information.

The MySQL programming and database work training is intended for all participants who want to become familiar with the database program, know its functional options and create their own database.

COURSE CONTENT

01 Introduction to MySQL

Installation of MySQL, minimum HW and SW requirements.
Free programs – Query builder, TOAD.
User accounts, user and administrator rights.
Environment configuration, starting and stopping the server.
Listing information about processes and database objects.
Setting variables.
Connecting and disconnecting databases.
Database backup and restore.

02 Basics of Relational Databases

Familiarization with the relational database model, basic terms.
Client/server architecture.

03 Working with a Table

New table, column types and data types.
Writing data, editing a table, inserting and deleting data.
Sorting records, filtering records.
CREATE TABLE, ALTER, DROP.

04 Relations between Tables, Indexes

Setting and properties of relations, relationship types, NULL value, primary and foreign key.
Indexes.

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05 SQL Language Commands

SELECT, FROM, JOIN, WHERE, GROUP BY, HAVING, ORDER BY.

06 Aggregate Functions

MIN, MAX, AVG, SUM, etc.
Combining the WHERE condition – AND and OR operators, LIKE operator.
LEFT, RIGHT and INNER JOIN.

07 Working with Views

Creating views, deleting, modifying and appending views.
Use of built-in functions, import and export of data.
Transactions and locks.

08 Programming in MySQL

Variables, branching and loops.
Cursors and handlers.
Procedures and functions, input and output parameters.
Triggers (INSERT, UPDATE, DELETE).

09 Reports

iReport program.
Report templates, report controls, using sections and page breaks, using expressions in reports, sorting and grouping, group header and footer.

10 MySQL Help

Working with help.
Discussion.
Conclusion.

This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.

https://www.macrosoft.sk/en/courses/mysql-programming-database-work