

MySQL Fundamentals Ed 1

CODICE

D90871GC10

DURATA

4 Giorni

PREZZO

2.300,00€ (iva escl.)

LINGUA

Italiano

MODALITÀ

Virtual Classroom
Corso in aula

SCHEDULAZIONE

- A Richiesta

PREREQUISITI

Basic computer literacy

Suggested Prerequisites

Knowledge of database concepts

Previous experience with any command-line program

Audience

Application Developers

Database Administrators

Database Designers

Developer

OBIETTIVI

Describe the features and benefits of MySQL

Explain the basics of relational databases

Design an effective database

Issue MySQL statements from the mysql command-line client

Perform database operations by using MySQL Workbench

Select appropriate data types for your database

Build a database and tables by using SQL

Modify the structure of your database

Create indexes and keys

Add or update database data

Query data with SELECT statements

Join data from multiple tables

Use built-in MySQL functions

Export and import database data
Explain database transactions
Access a database from MySQL client tools or applications

CONTENUTI

Introduction to MySQL
Course Goals
Course Lesson Map
Classroom Environment
MySQL Overview
MySQL Resources
MySQL Training
MySQL Server and Client
MySQL Client/Server Model
MySQL Connectors
Installation of the MySQL server
Setting the root Password
Starting and stopping the MySQL server
Using the mysql client
MySQL Workbench
Database Basics
Basics of Relational Databases
Spreadsheet Versus Database
Entities and Relationships
Relationship Categories
SQL Language and MySQL
SQL data definition language
SQL data manipulation language
Designing Your Database
Database Modeling
Keys
Normalization
Database Design
Viewing and Evaluating a Database
Data Types
Data Types as Part of Database Design
Numeric Data Types
Temporal Data Types
String Data Types
Character Set and Collation Support
Data Type Considerations
The Meaning of NULL

Creating Databases and Tables

Creating a Database

Creating a Table

Showing How a Table Was Created

Column Options

Table Options

Indexes, Keys, and Constraints

Modifying Databases and Tables

Deleting databases and tables

Creating a New Table Using an Existing Table

Confirming the Creation of a New Table

Copying an Existing Table Structure

Creating a Temporary Table

Adding, removing and modifying table columns

Adding, removing and modifying Indexes

Querying Table Data

The SELECT Statement

Creating Views

Querying Data from an Application

Exporting and Importing a Delimited File

Troubleshooting

Modifying Table Data

Manipulating Data

Inserting records

Replacing existing records

Updating existing records

Deleting records

Exporting and importing a script

Multistatement Transactions

Modifying Data from an Application

Functions

Functions in MySQL Expressions

Using Functions

String Functions

Date and time functions

Numeric Functions

Aggregate Functions

Spaces in Function Names

Joining Tables

Querying Multiple Tables

Joining Tables with SELECT

Inner Joins



Outer Joins

Table Name Aliases

Conclusion

Course Goals

MySQL Curriculum Path

MySQL Resources

Evaluation

Final Q&A

Description:

The MySQL Fundamentals training is the first step in mastering MySQL, the world's most popular open source database. Develop solid understanding and practical experience using relational databases, SQL and the MySQL Server and tools.

Learn To:

Explain the relational database model.

Describe the features and benefits of MySQL.

Install and configure the MySQL server and clients.

Design efficient databases.

Use Structured Query Language (SQL) to build your database and query data.

Employ appropriate MySQL tools.

Benefits to You

This course will teach you everything you need to know to start using the incredibly popular MySQL database in your Web, Cloud and embedded applications. In learning about MySQL you will also gain an understanding of relational databases in general, learning how to design your database so it's robust and efficient. Furthermore, you will harness that power by learning SQL and using it to build databases, populate them with data and query that data through extensive hands-on practices.

Manage Your MySQL Database

In addition to covering core concepts, this course introduces you to more advanced tools and techniques to help you manage your MySQL database and data. At the end of the course, you will be confident in your ability to use the MySQL database and put your new skills to work.

Prezzi e corsi potrebbero subire variazioni; si consiglia di verificare sul sito www.novanext.it/training.