



Database developer MySQL 5 Level 1 (Oracle Certified Associate)

Introduction

This is an online entry-level certification course intended for both beginners and existing MySQL users. The course explains concepts related to database management systems, as well as covers the terminologies of basic SQL. It provides understanding of the basics of SQL, as well as relational databases.

Pedagogy

Online Course

Duration

45 hours of course work and assignments

Difficulty

Beginner to Practitioner

Assessment

Online Assessment

Certified By

Manipal Executive Education

Who Should Attend

It is intended for those who are relatively new to using the MySQL database server and covers basic database management system concepts as well as basic SQL. We recommend this course also for MySQL users that know the basics, but have not yet obtained the experience gained by professional MySQL DBAs or Developers.

Topics Covered

1. MySQL Server and Client
2. Database Basics
3. Database Design
4. Table Data Types
5. Database and Table Creation
6. Basic Queries
7. Database and Table Maintenance
8. Table Data Manipulation
9. Functions
10. Table Queries
11. Exporting and Importing Data

Learning Outcome

After the training, students become proficient in:

- Installing MySQL server
- Describing the advantages of MySQL
- Describing the fundamentals of relational databases





Database developer MySQL 5 Level 2 (Oracle Certified Expert)

Introduction

The Oracle Certified Professional, MySQL 5 Developer certification is targeted toward candidates who will be developing applications that use MySQL as back-end storage. An Oracle Certified Professional, MySQL 5 Developer is capable of creating and using databases and tables, and maintaining (inserting, retrieving, modifying, deleting) data stored in a MySQL database. This candidate will be to maintain data in company databases, perform data analysis, and import and export data.

Pedagogy

Online Course

Duration

45 hours of course work and assignments

Difficulty

Beginner to Practitioner

Assessment

Online Assessment

Certified By

Manipal Executive Education

Who Should Attend

Must have taken Database developer MySQL 5 Level 1 program and must have knowledge of basic concepts of MySQL.

Topics Covered

- Joins
- Subqueries
- Views
- Importing and Exporting Data
- User Variables
- Prepared Statements
- Stored Routines
- Triggers
- Debugging MySQL applications

Learning Outcome

At the end of the course the student will be able to

- Use MySQL tools for connecting to databases
- Examine database structure, as well as contents
- Generate diagrams of database structure
- Execute complex queries
- Manipulate data that can be in numeric, text or spatial form
- Perform complex sub-queries

