

# MySQL 5 Database Expert

## Introduction

The MySQL 5 Database Expert certification is targeted toward candidates who will be developing applications that use MySQL as back-end storage. A MySQL 5 Database Expert 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 able to maintain data in company databases, perform data analysis, and import and export data.

## Pedagogy

Online Course

## Minimum Recommended Duration (90 hours)

40 hours of course work and assignments + 20 hours of guided practice + 30 hours of open practice

## Difficulty

Beginner to Practitioner

## Assessment

Online Assessment

## Related SMU Subjects

BCA 3<sup>rd</sup> Sem: DBMS

MCA 5<sup>th</sup> Sem: Open Source DB Systems

BScIT 3<sup>rd</sup> Sem: RDBMS with MYSQL

MScIT 3<sup>rd</sup> Sem: DBMS

## Certified By

MaGE

## Who Should Attend

Graduates of IT/CS who have basic knowledge of MySQL database server, database management system and SQL Works well if students have taken MySQL 5 Database Associate program.

Working executives working on any DB tools and want to get certification cum expertise in managing MySQL Tools

## Program Structure

- MySQL Client/Server Concepts
- MySQL Clients
- Querying for Table Data
- Databases
- Transactions
- Joins
- Subqueries
- Views
- Prepared Statements
- Exporting and Importing Data
- Stored Routines
- Triggers
- Storage Engines
- Optimization

## Learning Outcome

- 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



## MySQL 5 DB Developer Associate

### Specialization

Database Management

### Major Recruitment Sector

IT, IT Enabled Services, KPOs,  
Banking Sector

### Avg. No. of opening in leading Job Portals

30000 Jobs for 0 to 3 years of experience

### Large Employers

HP, IBM, TCS, Infosys, EMC2, Oracle, Accenture, Wipro, TechM, Cisco

### Avg. Salary / Annum

Fresher: Rs. 1.2 – 1.5 Lac

Exp (1-3 Yrs): Rs.2.0 – 3.5 Lac

Exp (3 Yrs+): Rs. 4 Lac+

*MySQL forms an excellent combination with PHP that has over 15000 job openings across leading job portals..!*

### Placement Opportunity

All Software Development / Web Development jobs require the support of a backend Database System. MySQL 5 is among the most popular database system that combines famously with the leading web development tool PHP. Being open source also contributes to the reach and penetration of this system. Fresher or new IT professionals who want to specialize in database find MySQL a very good place to start and learn the intricacies of database management. Our skill enhancing program takes the students through various examples of multiple difficulty levels that prepare them for their job interviews. Solid foundation and Practical knowledge of SQL increases the student's placement chances and takes up salary component by 25%.

### MaGE Online Model USP

	Face to Face Model	MaGE Online Model
Faculty	Instruction Led Training	Built on self-learning mode with Tech / Subject Matter Support Via e-Mail & Call
Content	Books	Online Reading Material, Downloadable PDFs
Assessment	Single Assessment	Multiple Quizzes for all Units, Self-Assessment coding with Instant Evaluation and Feedback
Practice Problems	Limited basic pre-defined problems	Multiple Practice Problems with varying levels of Difficulty
Practice Time & Scope	Limited Lab Timing and Software / Compilers required to practice at home	Guided Practice session with opportunity to practice unlimited times to get firm understanding. Cloud Platform Enables the student to Practice using just a Browser and Internet Connection
Scope for Additional / Self Practice	None	An Open Practice Lab is built in wherein a student can do coding / practice any exercise on his own to improve his understanding further without any constraints



## Comparison of Delivery Models

Face to Face Model	MaGE Online Model
70 – 75 hours	90 hours
<ul style="list-style-type: none"><li>✓ 40 hours of self-learning from Books</li><li>✓ 30 hours of instructor led training on doubt clarification of basic concept and lab session</li><li>✓ Additionally a student can book lab (depending on availability) to practice on his own, generally faculty assistance are not available</li><li>✓ Single assessment at the end</li></ul>	<ul style="list-style-type: none"><li>✓ 40 hours of self-learning in multiple modes - e-books, PPTs, videos</li><li>✓ <u>Minimum</u> 20 hours of guided practice and 30 hours of open practice</li><li>✓ Continuous self-assessment and final proctored assessment</li></ul>