

Course Outline



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MySQL Programming

Course Description:

This course is aimed at delegates who will be involved in application development involving MySQL databases. It introduces the programming interfaces for the popular development languages: Perl, PHP, Java, C and Python.

Pre-requisites:

Delegates should have MySQL experience to the level of the Introduction to MySQL course.

Course Content:

- **Database Applications**
 - Architecture
 - Connections and Transactions
 - Object/Relational Modeling
- **Perl**
 - Introduction to DBI
 - DBI and CGI
 - A General Model for Maintainable Perl Programs
- **Python**
 - DB-API
 - Proprietary Operations
 - Applied DB-API

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- **PHP**
 - Introducing PHP
 - Installing PHP
 - Accessing the MySQL DBMS with PHP
 - Securing User Data
 - Managing Sessions
 - Writing Data with PHP
 - Using the HTML Form Environment
 - Where to Find Out More

- **C API**
 - API Overview
 - The C API in Practice
 - Advanced Issues

- **Java**
 - The JDBC API
 - Simple Database Access
 - Dynamic Database Access
 - A Guest Book Servlet
 - Extending MySQL
 - User-Defined Functions
 - Alternative Character Sets

Course Duration:

5 Days