

MySQL 8.0 Database Developer



Online Course

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Course Modules

1.Connectors and APIs

- Choose between connectors for a given application
- Demonstrate connector use, management and configuration
- Retrieve data from the database by using a connector
- Handle special values
- Secure credentials and connections

2.Data-driven Applications

- Use prepared statements
- Set SQL Modes to change MySQL behavior
- Handle and interpret errors and warnings
- Display query results
- Aggregate and summarize data
- Advanced Report Generation

3.MySQL Schema Objects and Data

- Design, create, and alter views
- Store and process string data
- Store and process numeric data
- Store and process temporal data
- Store and process spatial data



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4. Transactions

- Control transactions in SQL
- Control transactions in applications
- Resolve consistency problems with isolation levels
- Understand locking mechanisms within MySQL

5. Query Optimization

- Use indexes for optimization
- Analyze queries for optimization
- Rewrite queries for optimization

6. MySQL Stored Programs

- Create and execute stored routines
- Explain the programming constructs used in stored routines
- Create and execute triggers
- Schedule database operations

7. JSON and Document Store

- Create and store JSON documents
- Process data in JSON documents
- Explain application development with NoSQL and XDevAPI
- Create and access a document store
 - Use MySQL Shell to access document stores

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in terms of time management,
flexibility, and the ability
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