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MYSQL COURSE

Live Classes with Placement Support

- Hands-On with Real Databases
- Essential for Web & App Development
- Boost Data Management Skills
- Career-Ready with Industry Use Cases

MySQL®

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Why choose MYSQL as your career?

BACKBONE OF DATA-DRIVEN APPLICATIONS

MySQL is used in nearly every dynamic website and app — from e-commerce platforms to banking systems and CRMs.

USED BY LEADING PLATFORMS WORLDWIDE

Trusted by tech giants like Facebook, Twitter, Netflix, YouTube, PayPal, and Airbnb for managing massive amounts of data.

PREFERRED BY TOP EMPLOYERS GLOBALLY

Companies like Infosys, TCS, Wipro, Zoho, Oracle, and major startups actively look for developers with MySQL proficiency.

STEP INTO IN-DEMAND DATA & DEVELOPMENT ROLES

After this course, you can work as: Database Developer, Data Analyst, Backend Developer, Full-Stack Developer, or MySQL Admin.

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MYSQL Course Curriculum

Lesson 1: Introduction to Oracle SQL

1.1: Overview of Oracle Database and SQL
- Learn about the Oracle Database architecture and SQL basics.

1.2: Installing Oracle Database and SQL Developer
- Step-by-step guide for setting up Oracle SQL and SQL Developer.

1.3: Understanding Oracle Data Types
- Learn about various Oracle data types (CHAR, VARCHAR, DATE, etc.).

1.4: Basic SQL Syntax and Structure
- Understand the fundamental syntax and structure for writing SQL queries.

1.5: Introduction to SQL Developer Interface
- Learn how to use SQL Developer's interface to interact with Oracle databases

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Lesson 2: Retrieving Data using the SELECT Statement

2.1: Basic SELECT Statement Syntax
- Understand the structure and syntax of the SELECT statement.

2.2: Using the WHERE Clause to Filter Data
- Learn how to filter data with the WHERE clause.

2.3: Sorting Data with ORDER BY
- Sort your query results by one or more columns.

2.4: Limiting Results with FETCH and OFFSET Clauses
- Learn how to limit the number of results returned.

2.5: Using the LIKE Operator for Pattern Matching
- Understand how to use the LIKE operator for matching patterns.

2.6: Using the IN and BETWEEN Operators
- Learn how to filter data with IN for multiple values and BETWEEN for range values.

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Lesson 3: Filtering and Sorting Data

3.1: Filtering Data with the WHERE Clause
- Learn advanced techniques for filtering data with logical operators.

3.2: Sorting Data by Single and Multiple Columns
- Master sorting in ascending and descending order.

3.3: Using Column Aliases
- Understand how to create aliases for columns to make results more readable.

3.4: Using Advanced Filtering Techniques
- Explore advanced filtering options like regular expressions and complex conditions.

3.5: Sorting Data with Custom Order
- Learn how to sort data by custom sorting logic using case expressions.

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Lesson 4: Joining Tables

4.1: Introduction to Joins
- Learn about different types of joins and their uses.

4.2: Inner Joins and Outer Joins
- Understand the differences between INNER JOIN, LEFT JOIN, RIGHT JOIN, and FULL JOIN.

4.3: Cross Joins and Self-Joins
- Learn about cross joins and how to perform self-joins.

Lesson 5: Aggregating Data with Group Functions

5.1: Using the GROUP BY Clause
- Group data based on specific columns for aggregation.

5.2: Using Aggregate Functions
- Learn to use aggregate functions like AVG, COUNT, MIN, MAX, and SUM.

5.3: Using the HAVING Clause
- Filter aggregated results with the HAVING clause.

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Lesson 6: Subqueries

6.1: Understanding Subqueries
- Learn how to use subqueries in SQL.

6.2: Types of Subqueries
- Explore single-row, multiple-row, and correlated subqueries.

6.3: Using Subqueries in WHERE, HAVING, and SELECT Clauses
- Learn to use subqueries for filtering and selecting data

Lesson 7: Manipulating Data with DML Statements

7.1: Understanding Data Manipulation Language (DML)
- Introduction to INSERT, UPDATE, and DELETE statements.

7.2: Inserting, Updating, and Deleting Data
- Learn how to manipulate data in Oracle tables.

7.3: Using Transactions to Ensure Data Integrity
- Understand how to use COMMIT, ROLLBACK, and SAVEPOINT to manage data integrity

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Lesson 8: Creating Tables and Database Objects

8.1: Creating Tables
- Learn how to create tables in Oracle SQL.

8.2: Adding and Modifying Columns and Constraints
- Understand how to modify existing tables and add constraints.

8.3: Dropping Tables
- Learn how to safely drop tables from your database

8.4: Creating Views, Sequences, Indexes, and Synonyms
- Understand how to create other database objects like views and indexes.

Lesson 9: Working with Date and Time Functions

9.1: Using Date and Time Functions
- Master date and time functions like SYSDATE, ADD MONTHS, and TO DATE

9.2: Understanding Date and Time Data Types in Oracle
- Learn about Oracle's handling of dates and times.

9.3: Calculating Date Differences
- Learn to calculate the difference between two dates using SQL functions.

9.4: Handling Time Zones in SQL
- Understand how to handle time zones and perform date-time conversions.

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Lesson 10: Advanced SQL Concepts

10.1: Using Regular Expressions
- Learn how to use regular expressions in SQL queries.

10.2: Using Analytical Functions
- Explore advanced functions for analysis like RANK, LEAD, and LAG.

10.3: Working with Large Data Sets
- Learn how to partition and process large datasets using Oracle.

10.4: Implementing Security with Roles and Privileges
- Understand how to control access and permissions in Oracle databases.

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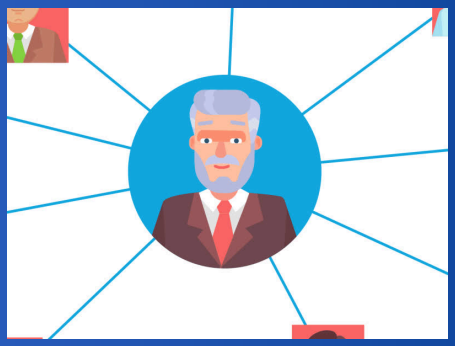
Hands-On Project

Employee Management System

A simple system for managing employee data.

Build a database system to store employee records and create SQL queries to manage and update data.



Sales Data Analysis

Analyze and generate reports from sales data.

Use SQL to generate reports such as total sales by product, month, and region from a transactions table.

Library Management System

Manage books and library transactions.

Implement SQL queries to track borrowed books, member activity, and overdue items using relational tables.

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Hands-On Project

Student Database

Store and query student information.

Write SQL queries to retrieve student performance and course enrollment details using structured schemas.

Inventory Management System

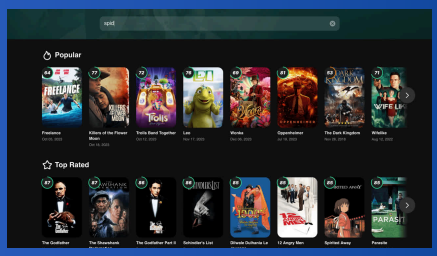
Track and manage inventory levels.

Use SQL to monitor stock levels, manage reorders, and generate inventory performance reports.

Movie Database

Store and retrieve information about movies.

Use SQL queries to search movies by genre, rating, and release year from a normalized movie table.



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CONTACT US

+91 86108 82615

+91 63830 97616

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