

Introduction of MySQL



By Amit Kumar

Video-1

Topics to cover:

- What is a Database?
- What is DBMS?
- What is RDBMS?
- What is MySQL?
- SQL Vs MySQL
- MySQL Workbench
- Why I choose MySQL?

What is a Database ?

A database is a structured collection of data that allows efficient storage and retrieval of information.

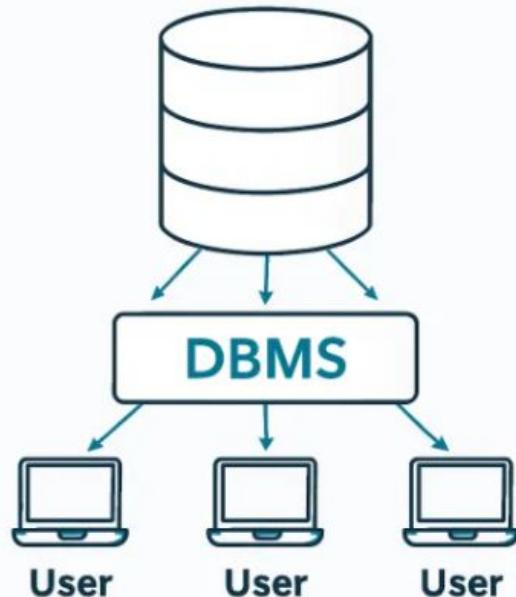
Database is a system that allow users to store and organise data.

🎓 Example of database : Student data

ID	StudentID	Name	🎂 Age	📊 Grade	✉️ Email	📍 City
	1001	Aditi Sharma	16	10th	aditi.sharma@email.com	New Delhi
	1002	Rohan Mehta	17	11th	rohan.mehta@email.com	Mumbai
	1003	Sneha Verma	15	9th	sneha.verma@email.com	Bengaluru
	1004	Arjun Kapoor	18	12th	arjun.kapoor@email.com	Hyderabad
	1005	Priya Nair	16	10th	priya.nair@email.com	Chennai

DBMS

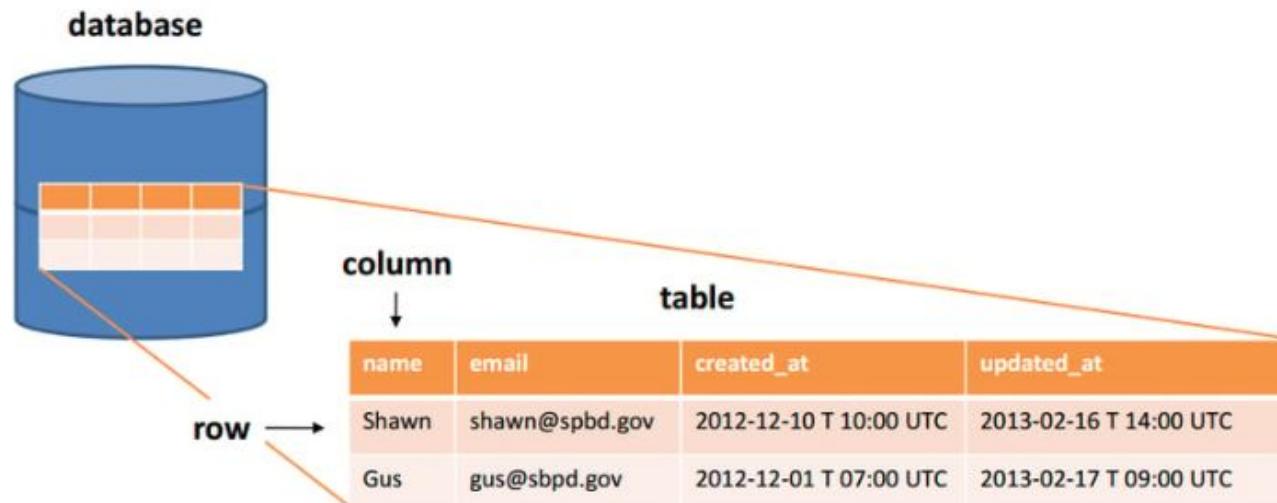
Database is managed by a Database Management System (DBMS), which provides tools to access, modify, and manage data efficiently.



What is RDBMS ?

RDBMS stands for Relational Database Management System — a type of DBMS where data is stored in tables.

- Each table consists of rows (records) and columns (fields).
- Tables can be linked using keys (like primary and foreign keys), allowing relationships between different datasets.



Example of DBMS:



The mongoDB logo features a small green leaf icon followed by the word "mongoDB" in a brown serif font.



What is SQL?

SQL is Structured Query Language - used to store, manipulate and retrieve data from RDBMS.

It is used to perform CRUD operations:

- Create
- Read
- Update
- Delete

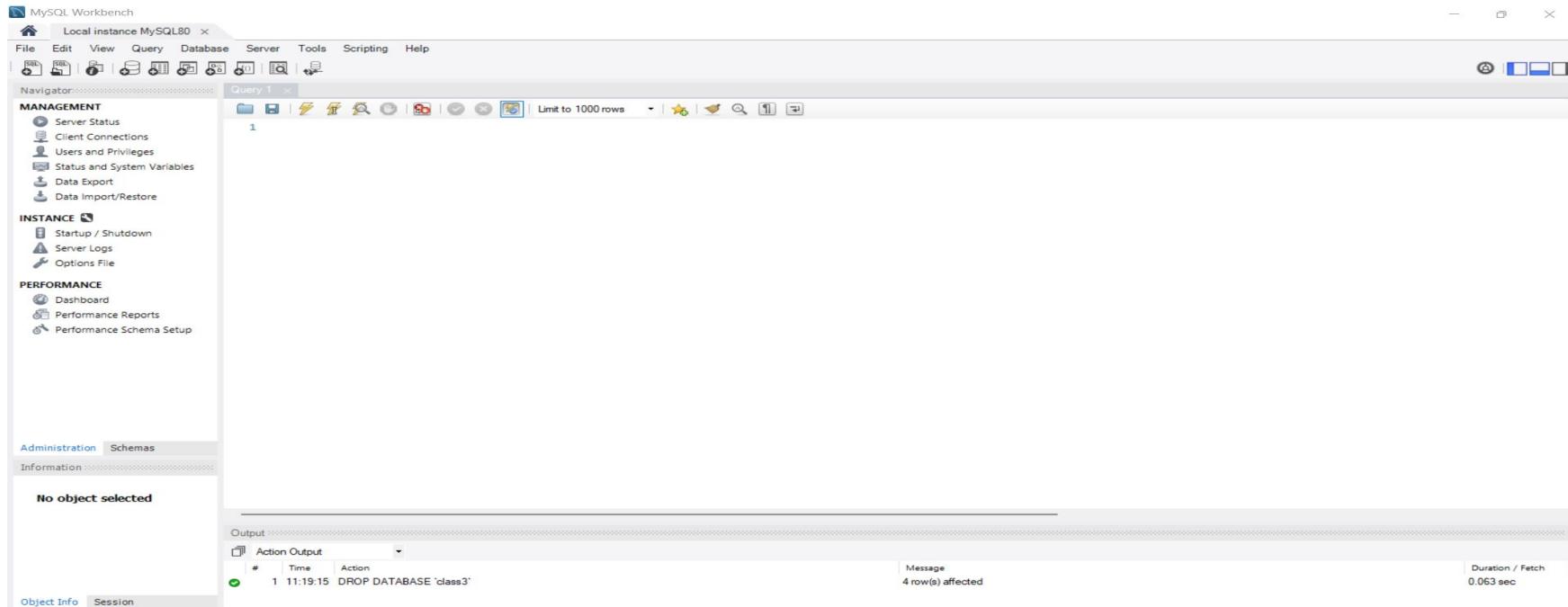
SQL Vs MySQL ?

SQL is Structured Query Language - It is not a database, it is a language used to interact with database.

MySQL is a RDBMS which uses SQL to talk with database.

MySQL Workbench?

It is an IDE(integrated development environment) kind of a UI(user interface) or a graphical tool used for managing and working with MySQL databases.



Why I choose MySQL?

which database is popular to learn in 2025

AI Mode All Images Short videos Videos News Forums More ▾ Tools ▾

❖ AI Overview

हिं

En

Listen

Popular databases to learn in 2025 include **MySQL** and **PostgreSQL** for general-purpose, relational database skills, **MongoDB** for NoSQL applications, and **vector databases** like Pinecone for AI and machine learning. Choosing a database depends on your specific career goals, as many popular options exist for different use cases, from traditional web applications to modern, data-intensive AI projects. 