

Bank Database Management System

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What is a Database?

A database is a container where data can be collected systematically. Managing, manipulation of those data are easy



Suppose an online telephone directory uses a database to store their data, Like: Name, address, phone numbers, other contact details.



Example of Databases

Or an online library who has millions of books. In order maintain their data they use database



What is a Database management System?

A Database Management System (DBMS) is basically a software where you can store, retrieve, define, and manage your data in a database.



Most used Databases Management systems Software

- MySQL
- Oracle
- PostgreSQL
- SQLite
- Maria DB
- PostgreSQL



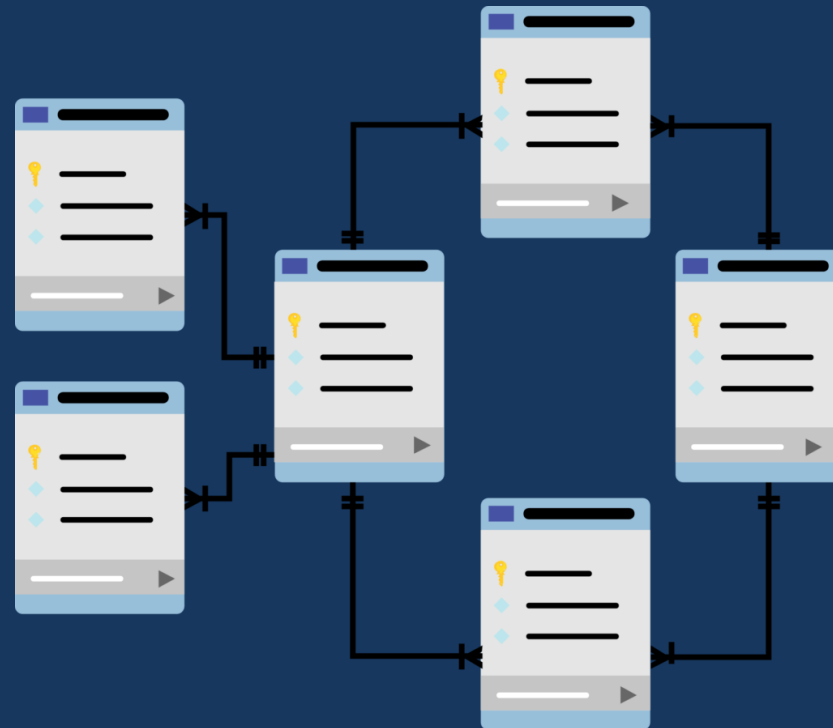
Types of Databases Management systems

- Hierarchical database
- Network database
- Relational database
- Object-Oriented database



What is Relational Database management System?

A Relational database management system (RDBMS) is used for the database management system (DBMS). The concept is based on the relational model as introduced by E. F. Codd.





Key Concept In DBMS

What is Key in RDBMS?

Key concept has an important role in relational database management system. This technique is used for identifying the unique rows from table and also help to establish relationship among the tables



Types of Key in RDBMS



What is SQL?

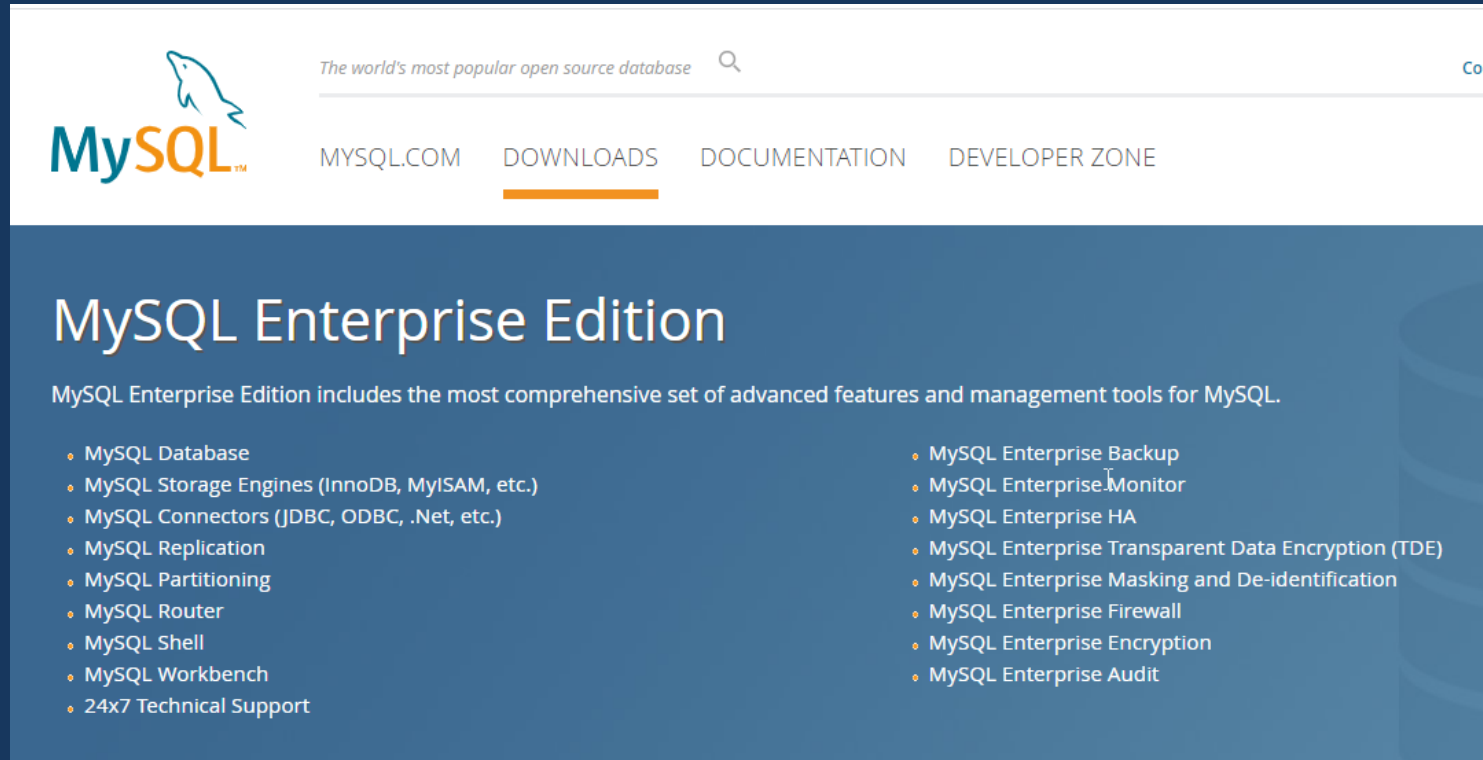
- SQL stands for Structured Query Language
- SQL helps to access and manipulate your databases
- SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987







Getting started with MySQL

This is the site to install MySQL -> <https://www.mysql.com/downloads/>



The screenshot shows the MySQL website's 'Downloads' page. The header includes the MySQL logo, the tagline 'The world's most popular open source database', a search icon, and a 'Contact Us' link. The navigation menu has links for 'MYSQL.COM', 'DOWNLOADS' (which is highlighted with an orange underline), 'DOCUMENTATION', and 'DEVELOPER ZONE'. The main content area is titled 'MySQL Enterprise Edition' and describes it as the most comprehensive set of advanced features and management tools for MySQL. It lists various features in two columns, each preceded by a blue diamond bullet point.

 The world's most popular open source database  [Contact Us](#)

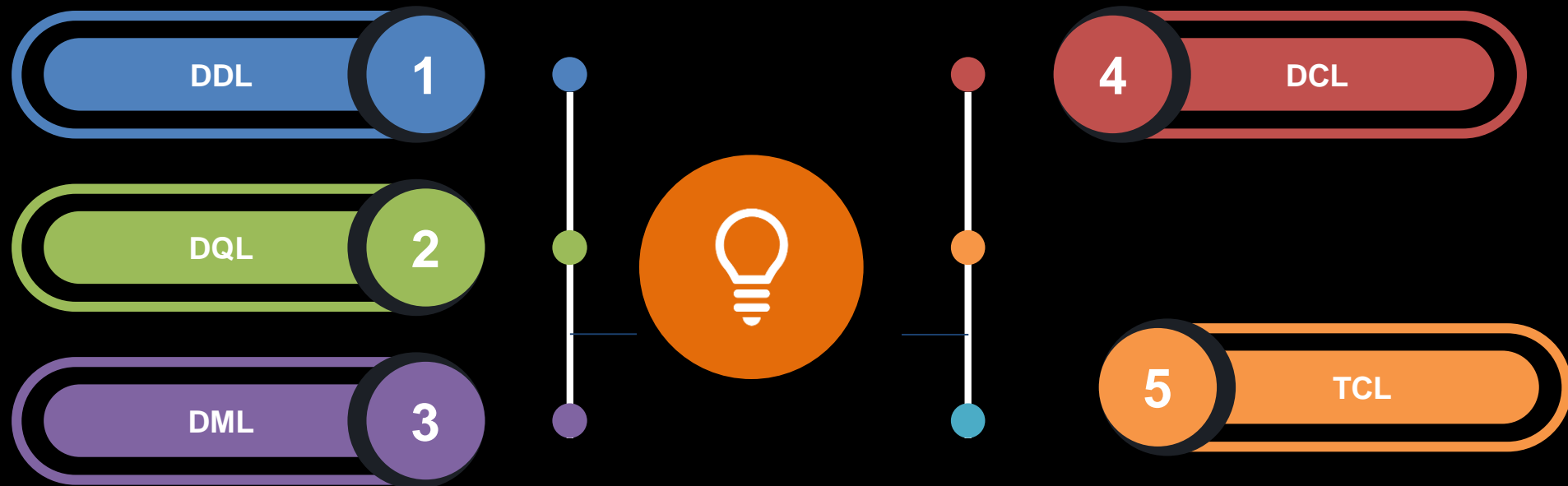
[MYSQL.COM](#) **[DOWNLOADS](#)** [DOCUMENTATION](#) [DEVELOPER ZONE](#)

MySQL Enterprise Edition

MySQL Enterprise Edition includes the most comprehensive set of advanced features and management tools for MySQL.

- MySQL Database
- MySQL Storage Engines (InnoDB, MyISAM, etc.)
- MySQL Connectors (JDBC, ODBC, .Net, etc.)
- MySQL Replication
- MySQL Partitioning
- MySQL Router
- MySQL Shell
- MySQL Workbench
- 24x7 Technical Support
- MySQL Enterprise Backup
- MySQL Enterprise Monitor
- MySQL Enterprise HA
- MySQL Enterprise Transparent Data Encryption (TDE)
- MySQL Enterprise Masking and De-identification
- MySQL Enterprise Firewall
- MySQL Enterprise Encryption
- MySQL Enterprise Audit

Types of command in MySQL: DDL



```
INSERT INTO Customers (CustomerName, ContactName, Address, City,  
PostalCode, Country)  
VALUES ('Priti', Ms. Chatterjee', '4/56 College street  
21', 'Kolkata', '70032', 'India');
```

```
SELECT * FROM Customers
```

```
show databases;
```

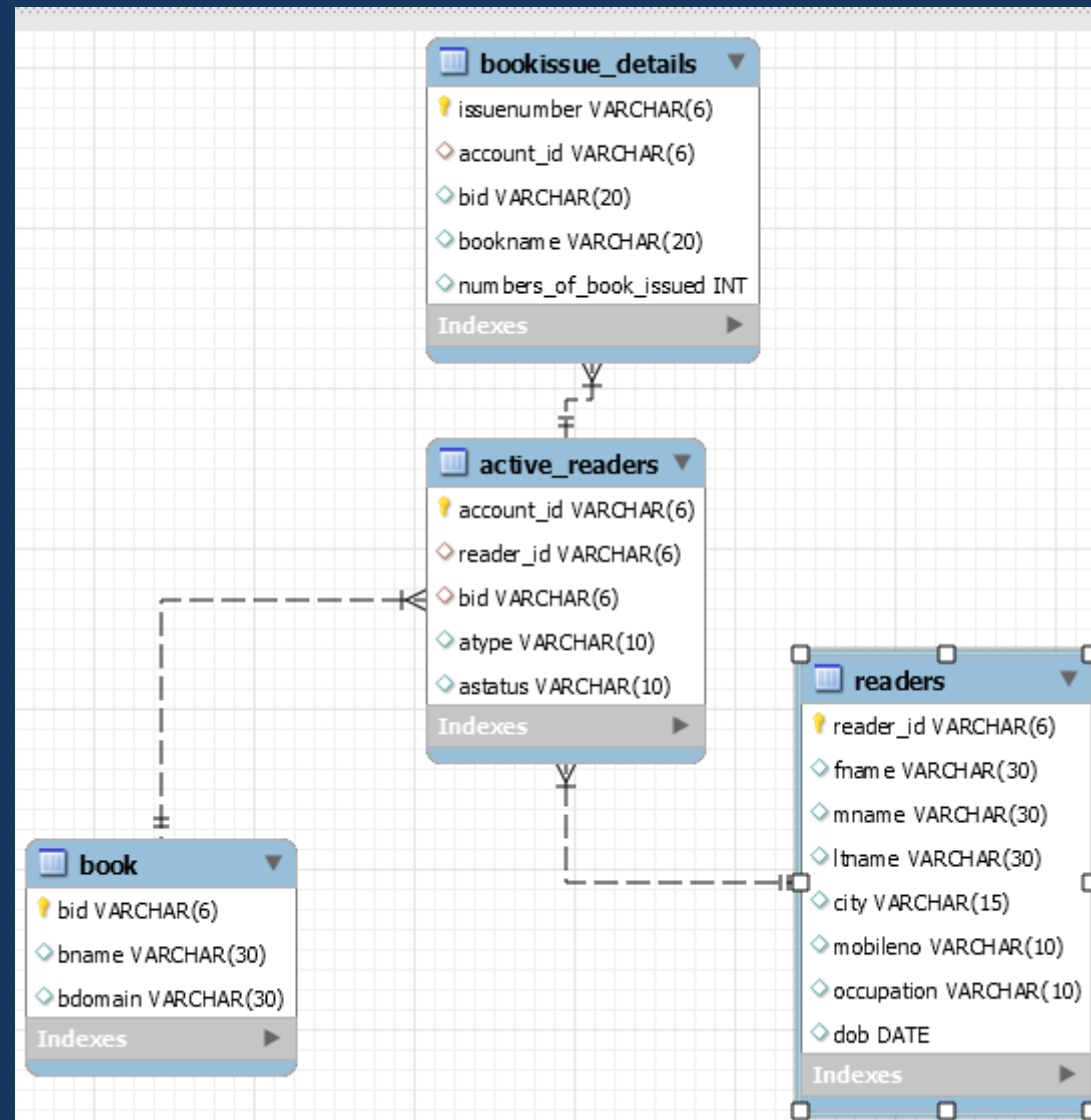
```
create database demo;
```

```
use demo;
```




Bank Database Management System

Table schema



Thank You