DATABASE-A database is a systematic and organized collection of structured information oordata. They supports electronic storage , data manipulation and even makes data management. A database is usually controlled by a [database management system (DBMS)](https://www.oracle.com/database/what-is-database/). Together, the data and the DBMS, along with the applications that are associated with them, are referred to as a database system, often shortened to just database.  
In most common types of databases that are in operation today, data is typically modeled in rows and columns in a series of tables to make processing and data querying efficient. The data can then be easily accessed, managed, modified, updated, controlled, and organized. Most databases use structured query language (SQL) for writing and querying data.

**TOOLS**

* For criminal, police and user data storage we use MySQL Workbench.
* And for web application we use HTML as well flask for webframework.
* **What is SQL?**
* SQL is a programming tool to manipulate data stored in relational databases. The system holds the data in tables comprising columns and rows
* **What is MySQL?**
* MySQL is a relational database management system that allows you to store, retrieve and execute queries on data.
* MySQL is an open-source system, meaning you can use, install and change it for free. MySQL Workbench is an integrated visual database design tool you can use to combine SQL and MySQL. In MySQL Workbench, you can create data models, design databases, store information and manipulate data. You can also reverse engineer and forward engineer databases.
* Different database professionals can use this tool, including database architects, developers and administrators. You can use MySQL Workbench as a single software or add-on component in other software products
* Some of the key features of MySQL Workbench include:
* **Visual database design:** Database architects can create and change designs using an intuitive drag-and-drop interface.
* **Reverse engineering:**MySQL Workbench can evaluate existing databases to create accurate Entity-Relationship (E-R) diagrams.
* **SQL development:** Developers can use MySQL Workbench to write and optimize SQL queries.
* **Database administration:**Database Administrators can apply MySQL Workbench to manage MySQL servers and databases.
* **Database creation and maintenance:** Programmers can use Workbench to develop and maintain existing databases.

**Authority table in MySQL Workbench**

**Graphical user interface, text, application

Description automatically generated**

**Criminal\_details table in MySQL Workbench**

**Graphical user interface, text, application

Description automatically generated**

**User table in MySQL Workbench**

**Graphical user interface, text, application

Description automatically generated**

**In todays operational world for the most common database management systems, data is stored in the form of tables and columns in a series of tables.**