SQL

**What is Database ?**

* A database is an organized collection of data, stored and retrieved digitally from a remote or local computer system.
* Databases can be vast and complex, and such databases are developed using fixed design and modelling approaches.

**What is DBMS ?**

* DBMS stands for Database Management System.
* DBMS is a system software responsible for the creation, retrieval, updation, and management of the database.
* It ensures that our data is consistent, organized, and is easily accessible by serving as an interface between the database and its end-users or application software.

**What is RDBMS ?**

* RDBMS stands for Relational Database Management System.
* RDBMS stores data in the form of a collection of tables, and relations can be defined between the common fields of these tables.

**What are Tables ?**

* A table is an organized collection of data stored in the form of rows and columns.
* The columns in a table are called fields while the rows can be referred to as records.

**What is SQL ?**

* SQL stands for Structured Query Language.
* It is used to communicate with the Database.
* This is a standard language used to perform tasks such as retrieval, updation, insertion and deletion of data from a database.

**Difference between SQL & MySQL.**

* SQL : SQL is a standard language which stands for Structured Query Language based on the English language.
* MySQL : MySQL is a database management system. Like SSMS for SQL.

**SQL Commands**

Diagram

Description automatically generated