***Structured Query Language (SQL)***

***What is data?***

***What is database?***

* ***A database is a structured collection of data that is stored electronically***
* ***Database is collection of data in a format that can be easily accessed (Digital)***

***that can be text,image,audio file, video,etc***

***DBMS:- 1)Database management system***

***Two types of DBMS:-***

***1)Relational Database Management System🡪 stored in form of tables***

*Some of the most well-known RDBMSs include MySQL, PostgreSQL, MariaDB, Microsoft SQL Server, and Oracle Database.*

*SQL 🡪 Is a database Programming Language.*

*MySQL 🡪 is a software which uses SQL database programming Language.*

***2)Non Relational Database Management System. 🡪 not stored in form of tables***

***MongoDB.***

***What is SQL?***

*SQL is a programming language used to interact with relational databases. Structured Query Language.*

*It is used to perform* ***CRUD operations : 1) Create 2)Read 3)Update 4)Delete***

***5 SQL Commands:-***

*1)DDL –* ***Data Definition Language****🡪 create, alter, drop, truncate, rename*

*2)DML-* ***Data Manipulation Language****🡪 insert, update, delete*

*3)DQL-* ***Data Query Language****🡪 select*

*4)DCL-* ***Data Control Language****🡪 grant, revoke*

*5)TCL-* ***Data Transaction Language****🡪 commit, rollback, savepoint*