

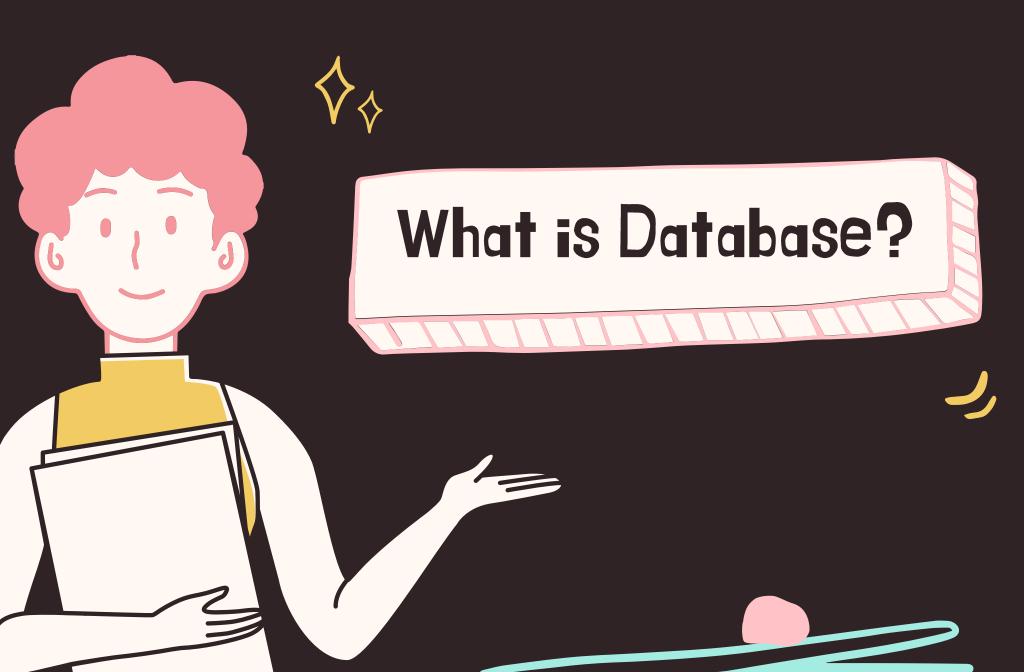
THE BASICS OF SQL

With Mohan









Database

Any collection of related information.

User's data Product data Employee data Why Database?

To easily access, organize and manage data.





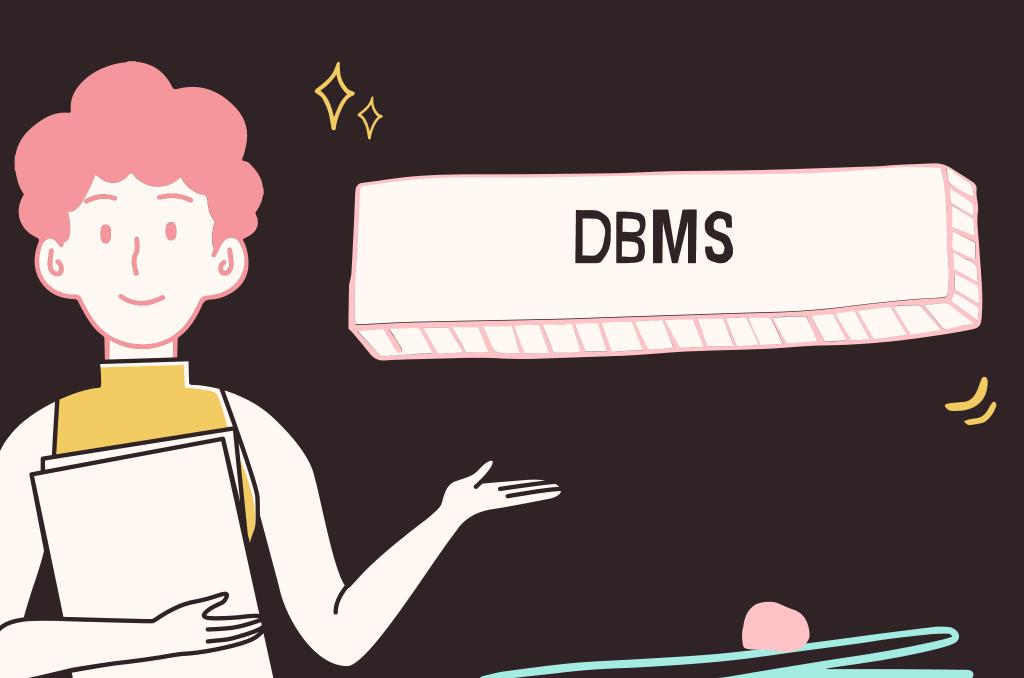
TYPE OF DATABASES

- Relational Db SQL(Tables with rows and columns)
- · No SQL:
 - 1. Graph
 - 2. Key- value
 - 3. Document DB









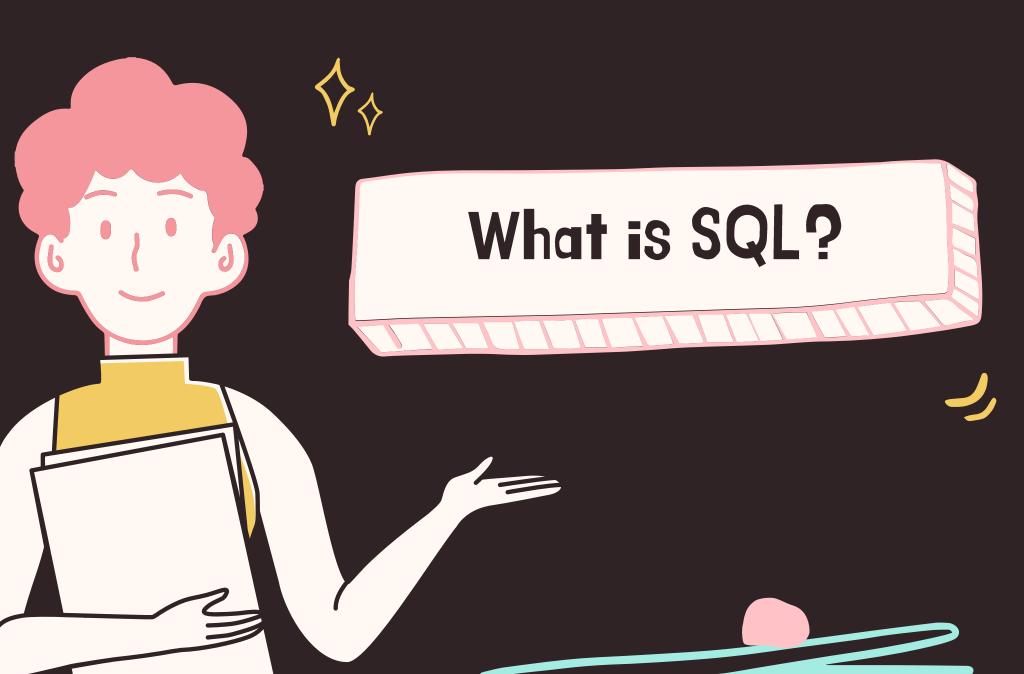
DATABASE MANAGEMENT SYSTEM

Systems used to store, retrieve, and run queries on data.

- Microsoft SQLServer
 - MySQL
 - Oracle DBMS
 - IBM DB2







STRUCTURED QUERY LANGUAGE (SQL)

- Standardized language for interacting With RDBMS.
- · CRUD Create, read, update, delete
- · Used to define table and strucutre.
- SQL Query request made to DBMS for specific information.





TYPES OF SQL COMMANDS

- · DDL Data definition language
- · DQL Data query language
- · DML Data manipulation language
- · DCL Data control language
- · TCL Transaction control language



SQL Commands

DQL

• Select

DCL

- · Grant
- Revoke

TCL

- · Commit
- · Rollback
- · Savepoint

DDL

- · Create
- · Drop
- Alter
- Truncate

DML

- · Insert
- · Update
- Delete
- · Call



