



THE BASICS OF SQL

With Mohan





What is Database?

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





DBMS

DATABASE MANAGEMENT SYSTEM

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

- Microsoft SQL Server
 - MySQL
- Oracle DBMS
 - IBM DB2





What is SQL?

STRUCTURED QUERY LANGUAGE (SQL)

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





Sql commands

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

