What is Database ?

Collection of data
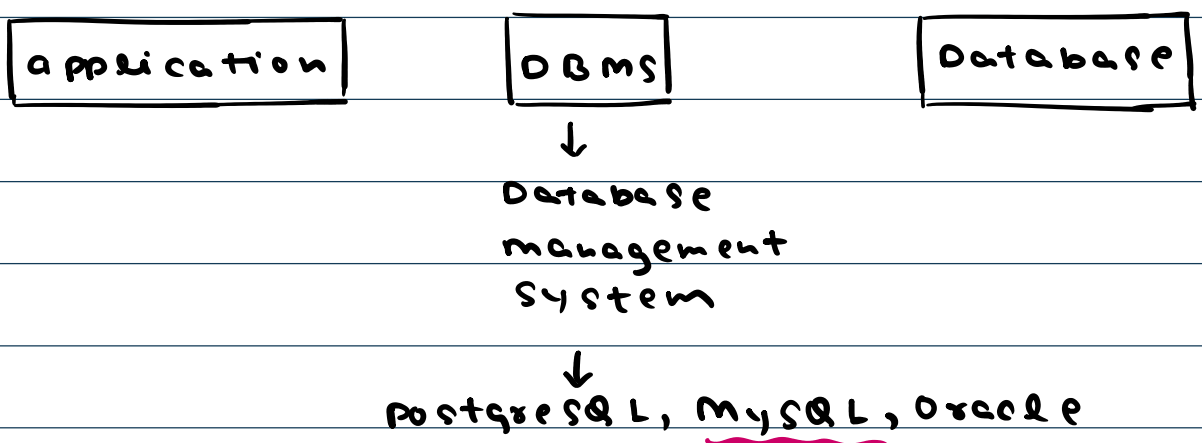
Data → raw and unprocessed entities.

Information → processed/useful data

Ex: banks, irctc website, every website.

A structured set of computerized data with an accessible interface.

SQL:- A method for accessing and manipulating the data.

application	DBMS	Database

↓

Database
management
System

↓

PostgreSQL, MySQL, Oracle

Why does data matter?

Data is the new oil

Data is knowledge/money.

Data has always played an important role in industries.
But know data itself is a huge booming business.

SQL (Structured Query Lang)

MySQL → Software
SQL → Language

SQL - ANSI - 1986

Application → Data scientist, developer, business professional.
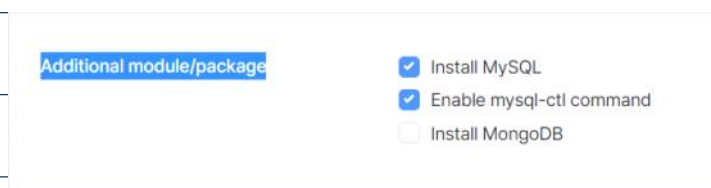
What can SQL do? (CRUD)

C - Create

R - Read

U - Update

D - Delete

Goorm IDE

Additional module/package

☑ Install MySQL
☑ Enable mysql-ctl command
☐ Install MongoDB

Creating and dropping database

mysql-ctl cli; → start the mysql terminal

cli → command line interface

ctl → control transaction durability

Naming conventions   Akarsh Jaiswal

CamelCase

snake-case

Creating and dropping table

A database is just a bunch of tables that where data is stored.

A collection of related data held in a structured format within a database

Data-types → Numeric
→ String
→ Date