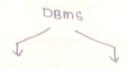
SQL

-> Structured Query Language

Data Base!

can be easily accessed.

application called Data Base Management System (DBMS).



1 Relational (Nosqc)

Relational Data Bases Management Systems:

we store data in tables that are linked to each other using relationships.

Each table stores data about a specific type of object like customers, orders, products.

- we use SQL to query of madify our data.

Most Popular RDBMs !

- 1, MySQL
- 2, SQL Server (by m6)
- 3. Mier Oracle

-> MYBOL

It is the most popular open source data base in the world.

10 Non-Relational DBMS (NoSAL)

These systems don't understand SQL. They have their own query language.

SQL with MysqL

\* Creating the Data Bages

In every data base we have tables (we store data) and we have views (virtual cables) so that we can combine different tables, and put them in a view.

tables, so that if we want update/change data, we have to go that particular data table (Eg: Customers, and)

The Select Statement (How to retrieve data from a single panel)

For 1st step to write query; (to get data & database)

1. Select a data base. [Query written will be executed against that data base]

1, USE (SQL\_Store); -> database

To retrieve data from this data base

2. BELECT (customer\_ial, first\_name)

or we can use \* to retrieve

5, FROM Eustomers

table we want to query.

4, WHERE customer\_id = 1 to pretrieve data of only a specific customer € Use " -- " -> & hyphens to make a comment. 5, ORDER BY first\_name secticions sorted in order by first name. SELECT FROM order is important WHERE otherwise it will be a syntax error ORDER BY -> Line breaks are not necessary. -> forlows basic arthinetic roles (BODMAS) -> We can use "As" to give name. Eg: (points +10) \* 100 AS discount\_factor). alias. Use 1 (3) 11 11 to get space in middle. -> SELECT (DISTINCT) "State FROM customoks for unique list with no duplicates.