

## Introduction To SQL

### What is Data?

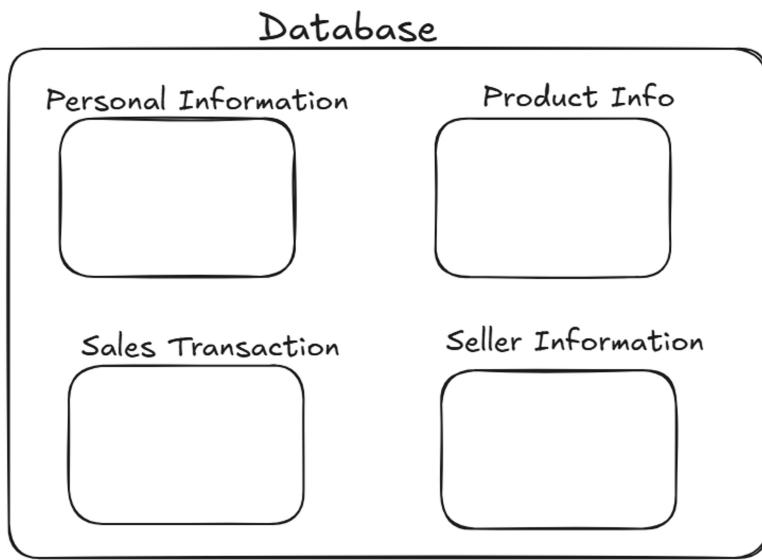
- Facts & Figures.
- Information.
- Data is Knowledge.
- Data is Money.

[https://www.w3schools.com/sql/trysql.asp?filename=trysql\\_op\\_or](https://www.w3schools.com/sql/trysql.asp?filename=trysql_op_or)  
[https://upload.wikimedia.org/wikipedia/commons/9/95/Metamodel\\_of\\_Facebook.jpg](https://upload.wikimedia.org/wikipedia/commons/9/95/Metamodel_of_Facebook.jpg)  
<https://dev.mysql.com/downloads/installer/>

V.C & Investors are putting money to them.



**Database** → Collection of data, in a structured manner.  
Bundles of Tables together builds a database.



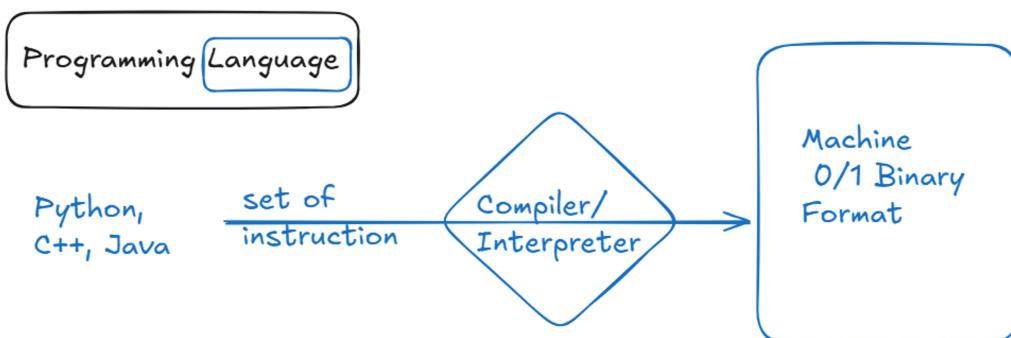
Each Tables have rows & Columns to store data.

Homogenous Table.  
- Each column should have same data type

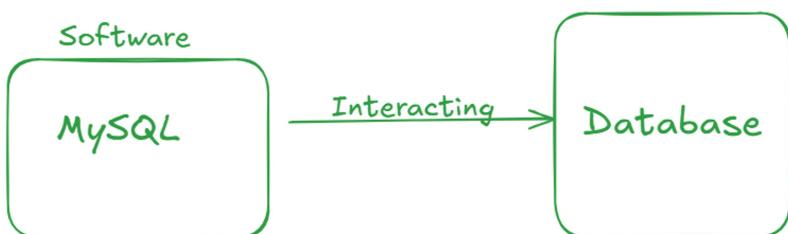


- Relational Database Management System.

- MySQL.
- PostgreSQL.
- Oracle.
- SQLite.
- Sql Server.



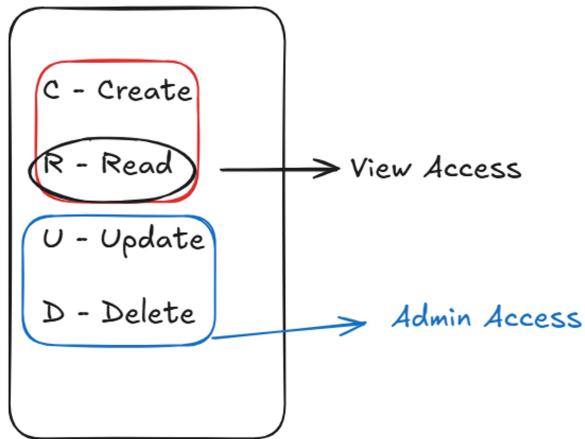
SQL [Structured Query Language] -Passing an Instruction in a general Way.



Select \* FROM Users where salary > 1,00,000

Your Database:

Tablenames	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29



`SELECT * FROM Customers;`

all Columns  
Reading out the info from Customer Table.  
Read out the data - Select  
Select \* From [Blue] - Predefined.  
- Case Insensitive - Select , SElect, SELECT

Customers - [User Definer]  
- In most of the cases it is case sensitive.

`SELECT CustomerName, City, Country FROM Customers;`

Column Filter  
Always, Your Columns are getting filtered before your table name.

Row Filter - "where" clause

`SELECT ProductName , Unit , Price FROM Products WHERE Price > 25;`

Row Filter being used after the Table Name.

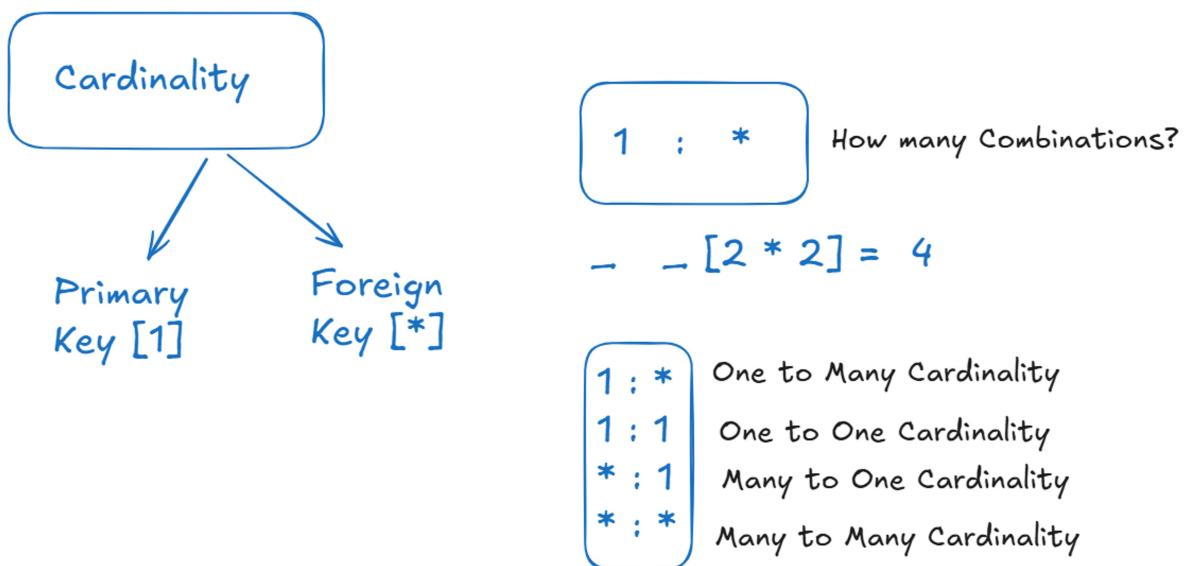
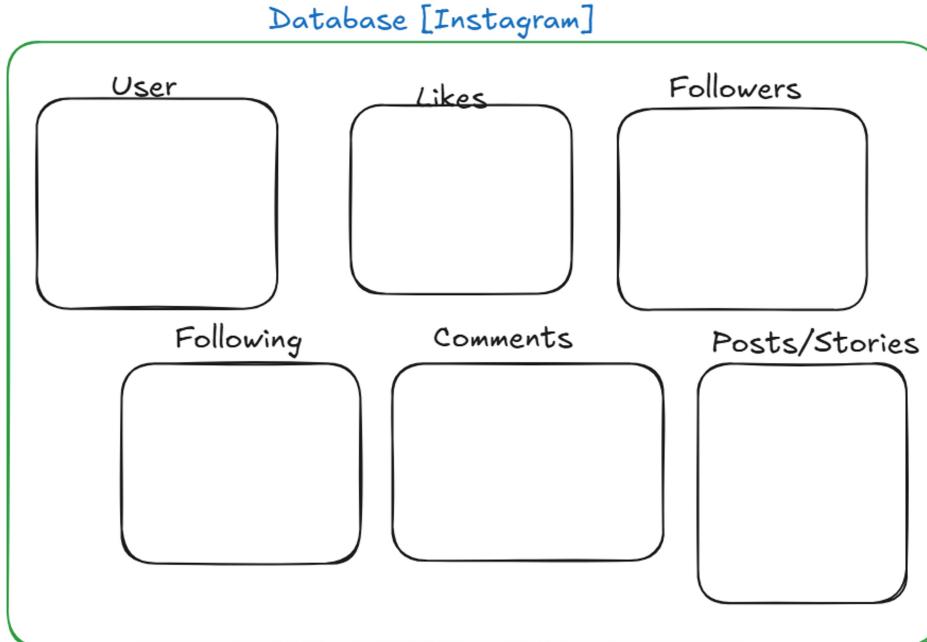
Price > 25: It returns the answer in Boolean format. Wherever it is True it shows the result in final Table.

```
SELECT * FROM Customers WHERE Country = "Germany" OR Country = "Mexico" OR Country = "France";
```

```
SELECT * FROM Customers WHERE Country IN ("Germany", "Mexico", "France")
```

```
SELECT * FROM Customers  
WHERE Country IN ("UK", "Canada", "France", "Sweden", "Germany")  
OR CustomerID IN (2,3,8);
```

- Multiple OR can be replaced with IN.



## MySQL Community Downloads

◀ MySQL Installer

General Availability (GA) Releases Archives ⓘ

### MySQL Installer 8.0.42

**Note:** MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:

8.0.42

Select Operating System:

Microsoft Windows

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.42.0.msi)	8.0.42	2.1M	<a href="#">Download</a>
		MD5: 48c8d3217ab5921c9c20ff3c9a57798e   <a href="#">Signature</a>	
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.42.0.msi)	8.0.42	353.7M	<a href="#">Download</a>
		MD5: b0406f4ea3e5942909f6b054f9575e12   <a href="#">Signature</a>	