

## Introduction To MySQL

### - Glimpse of MySQL....

[https://www.w3schools.com/sql/trysql.asp?filename=trysql\\_op\\_or](https://www.w3schools.com/sql/trysql.asp?filename=trysql_op_or)

Your Database:

Tablenames	Records
<a href="#">Customers</a>	91
<a href="#">Categories</a>	8
<a href="#">Employees</a>	10
<a href="#">OrderDetails</a>	518
<a href="#">Orders</a>	196
<a href="#">Products</a>	77
<a href="#">Shippers</a>	3
<a href="#">Suppliers</a>	29

Database

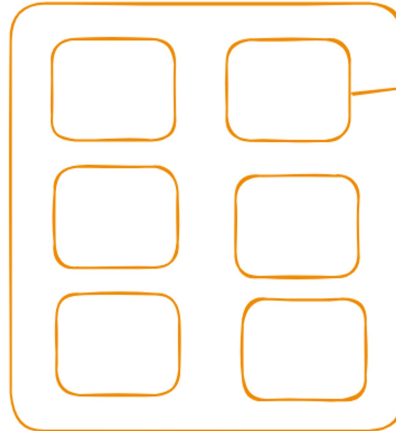


Table : Structured Data  
[Rows & column , data type]

0 - Not Clear  
1 - Clear

Number of Records: 91

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico

Primary Key : Unique value.

We are reading all the columns from Customer Table.

SELECT \* FROM Customers;

Reading the information

User defined Table Name

## Data Filtration : Column & Row

SELECT \* FROM Customers; where clause

SELECT CustomerName , City , Country FROM Customers;

View -- Temporary

It helps you to show the table having these 3 particular column present. And your original table won't impacted.

SELECT CustomerName , City , Country FROM Customers

WHERE Country = "Germany";

Logical Operators

Here we apply a filter on row basis. And This filter is based on Text.

"Krishna Madan"

String : " "

'K'

Single Character : ' '

```
SELECT * FROM Orders;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 196

OrderID	CustomerID	EmployeeID	OrderDate	ShipperID
10248	90	5	7/4/1996	3
10249	81	6	7/5/1996	1
10250	34	4	7/8/1996	2

Primary Key : Unique + NOT NULL

Foreign Key

p.k Vs f.k

Number of Records: 3

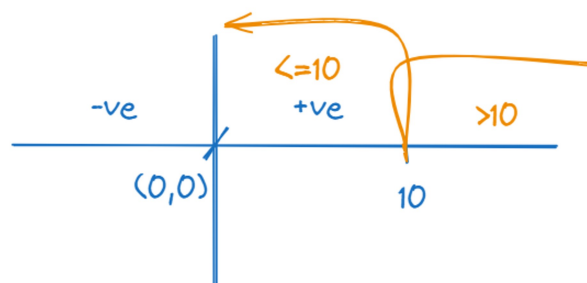
ShipperID	ShipperName	Phone
1	Speedy Express	(503) 555-9831
2	United Package	(503) 555-3199
3	Federal Shipping	(503) 555-9931

Number of Records: 77

ProductID	ProductName	SupplierID	CategoryID	Unit	Price
1	Chais	1	1	10 boxes x 20 bags	18
2	Chang	1	1	24 - 12 oz bottles	19
3	Aniseed Syrup	1	2	12 - 550 ml bottles	10
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22
5	Chef Anton's Gumbo Mix	2	2	36 boxes	21.35
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	25
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	30
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	40

Numerical Data

Price = 18.  
Price >= 18  
Price <= 20



```
SELECT * FROM Products WHERE Price <= 10; Number of Records: 14
```

+

```
SELECT * FROM Products WHERE Price > 10; Number of Records: 63
```

Products

77

= 14 + 63 == 77

MySQL Workbench

```
MySQL 8.0 Command Line Cli x + v
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.37 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> |
```

