סיכוםMySQL -

קורס FULLSTACK

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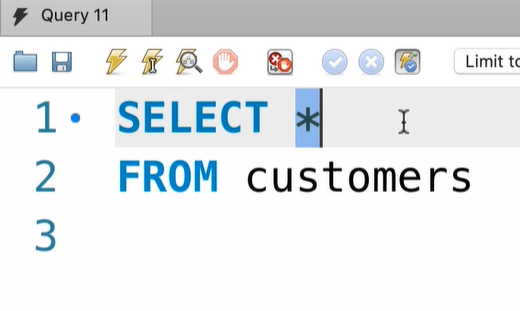
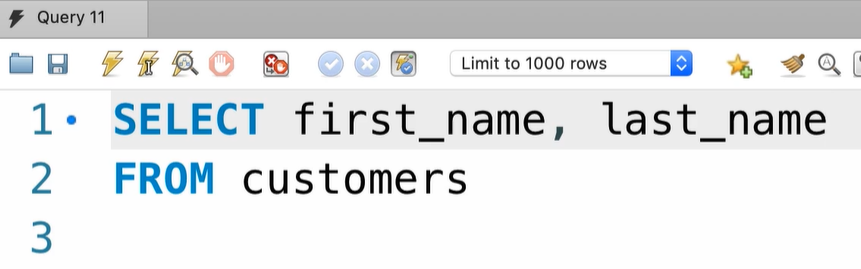
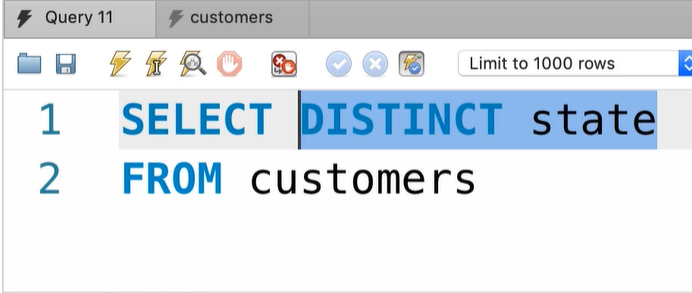
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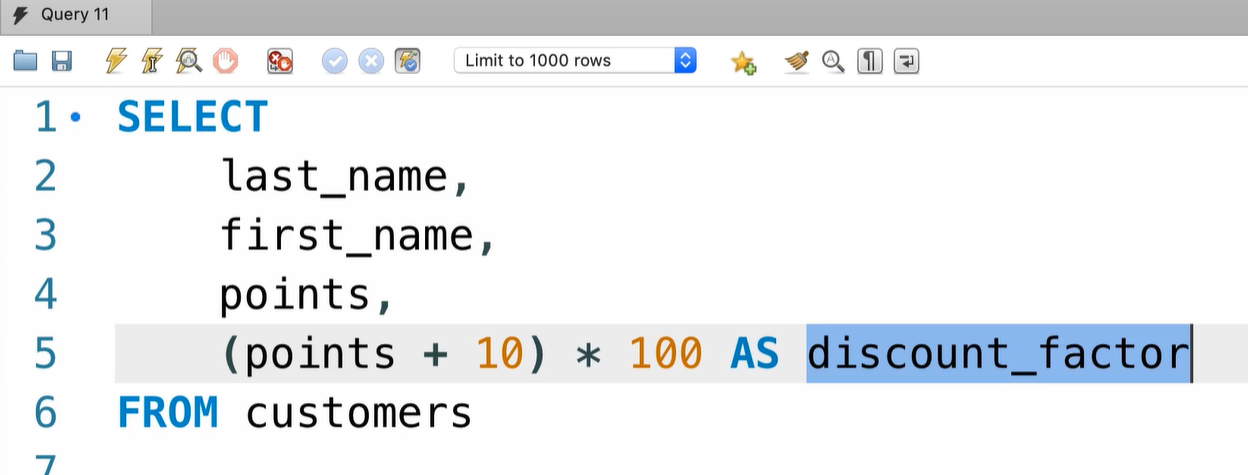
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# MySQL Basic

## SELECT



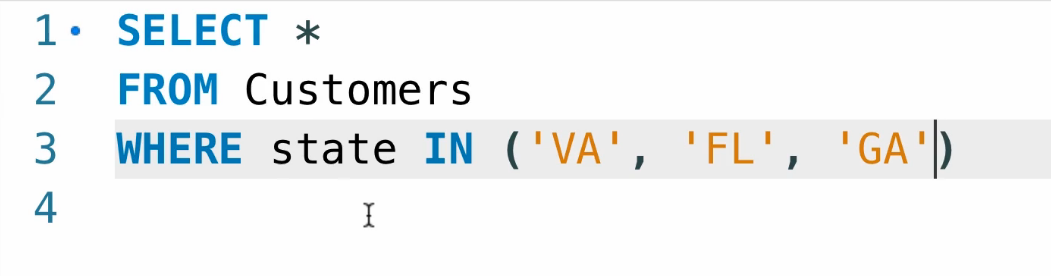


## WHERE

### The AND, OR and NOT Operators

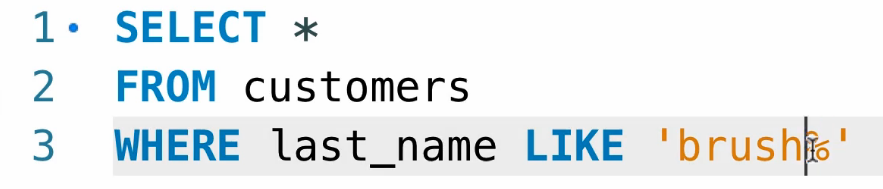
### WHERE NOT Operator

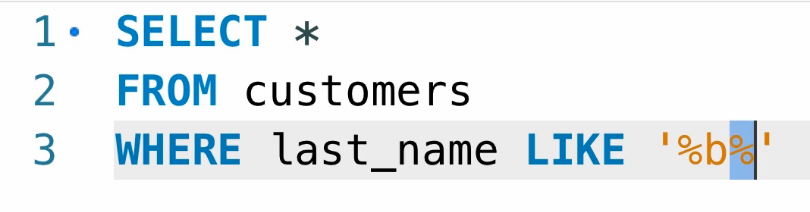
### The IN Operator



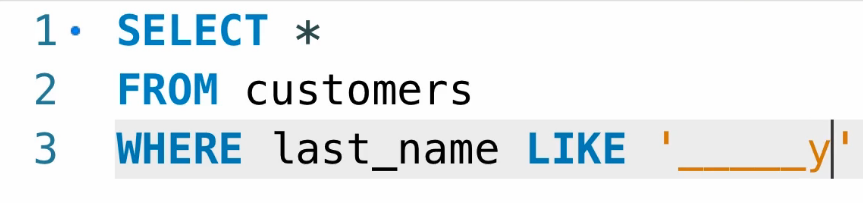
### BETWEEN Operator

### LIKE Operator %





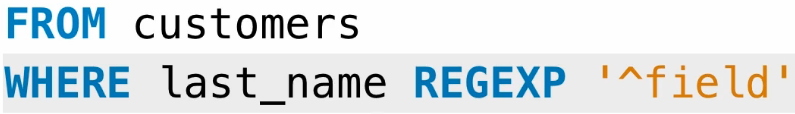
### LIKE Operator \_



### NOT LIKE Operator



### REGEXP







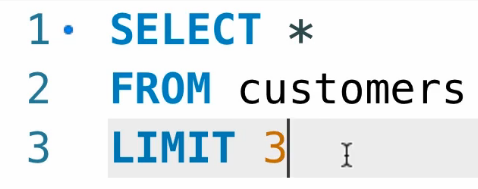
### IS NULL



## ORDER BY



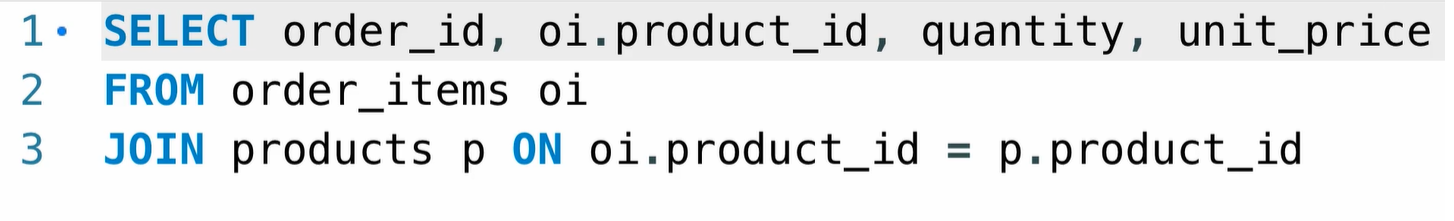
## LIMIT



# Joins

## INNER JOIN

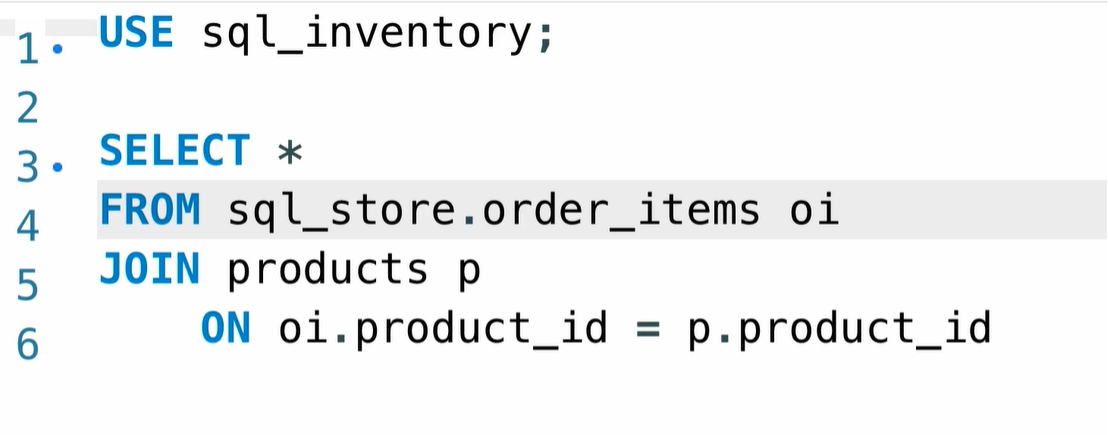
Select columns from multiple tables.  
When we want to combine data from mutable tables we use JOIN



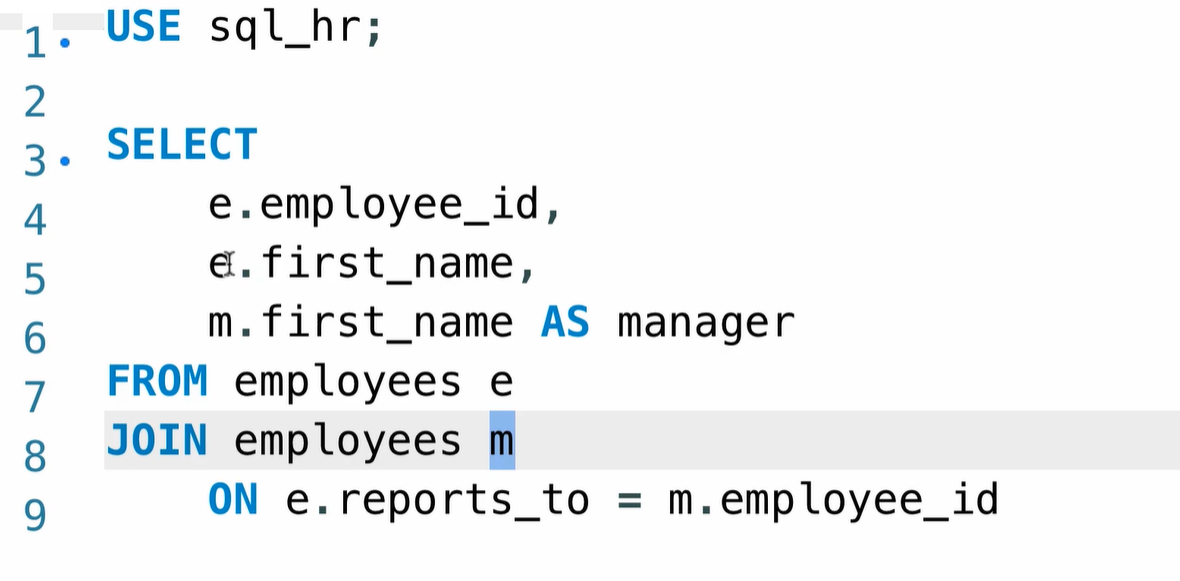
## JOIN Across databases

Combine columns in tables cross multiple databases

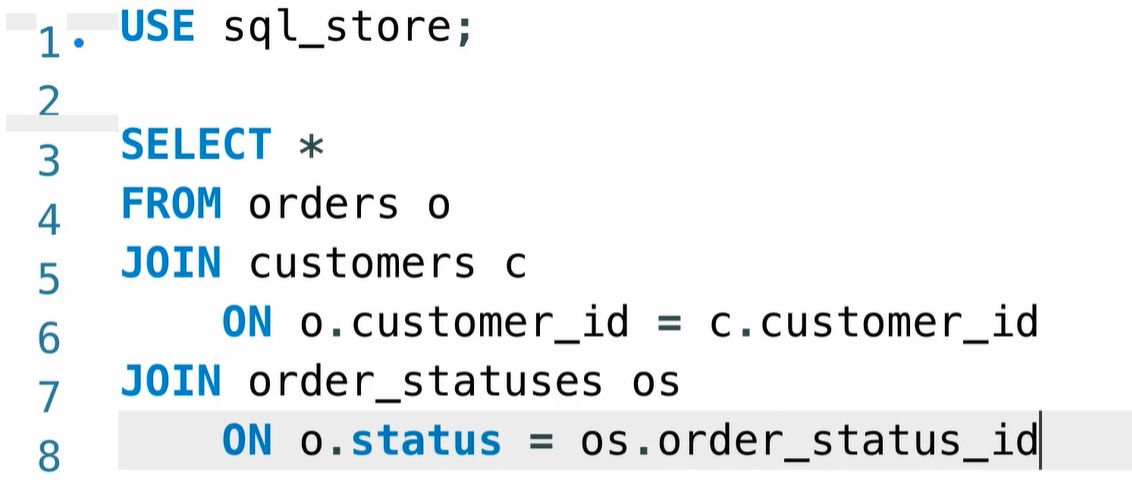
USE keyword to set the database that we already use

When we are using table that is not in the current selected database when should add as prefix the database name before the table

## Self join

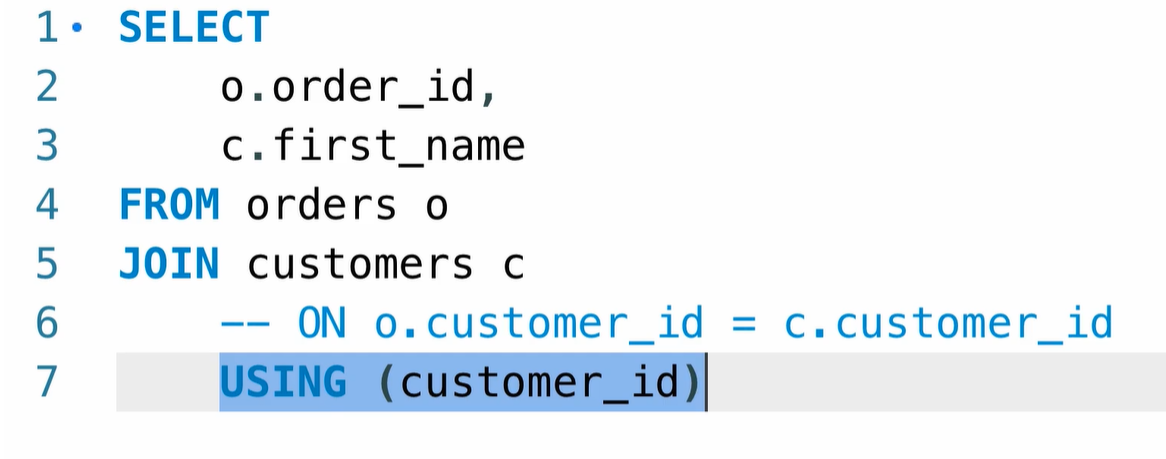


## Joining Multiple Tables

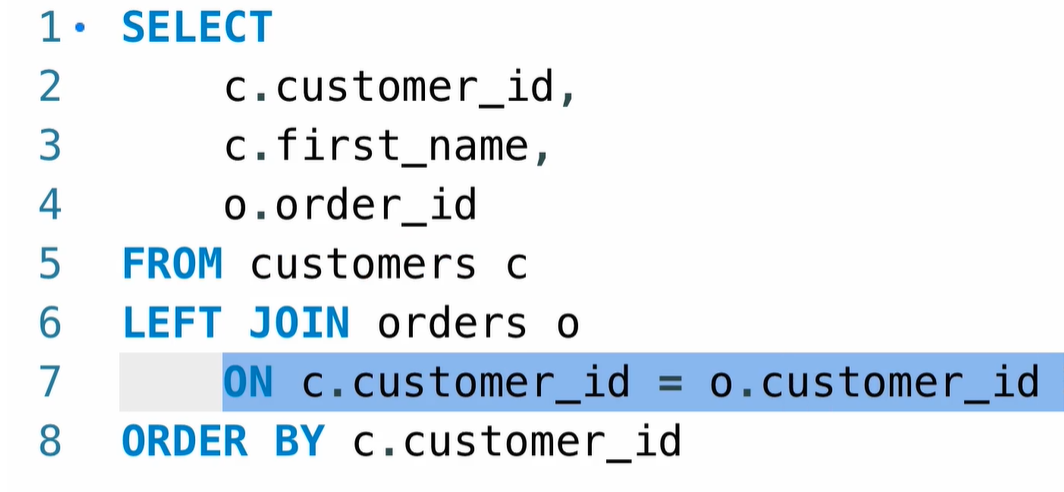


## USING Clause

* In both tables we have the same column name
* The same column shipper\_id & customer\_id in both customers and shippers

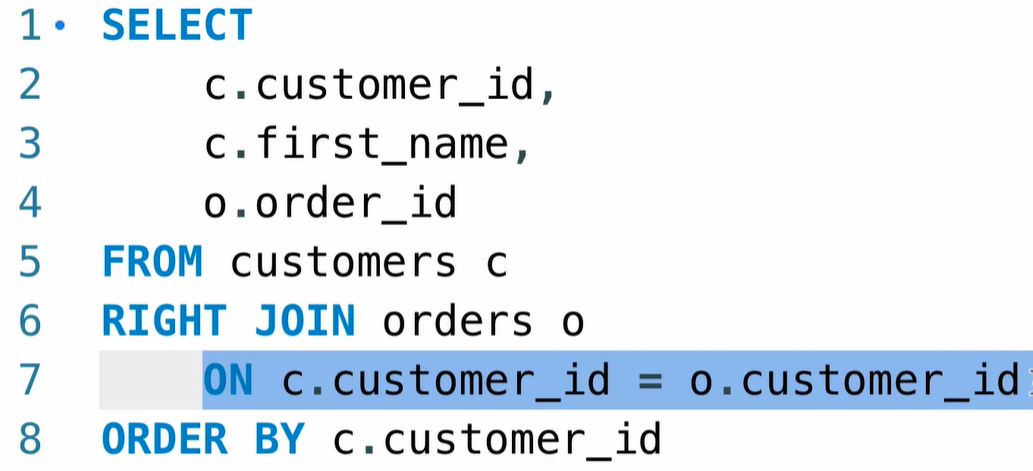


## Left join

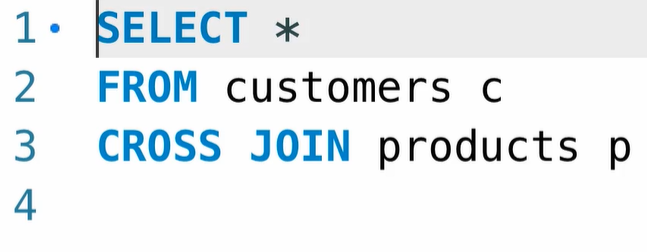
**Left join**, all the record will return whether if the condition true or not. In the example below the all the data from the customer table will be returned

## Right join

**Right join**, all the record from the order table will be retuned whether the condition is true or not

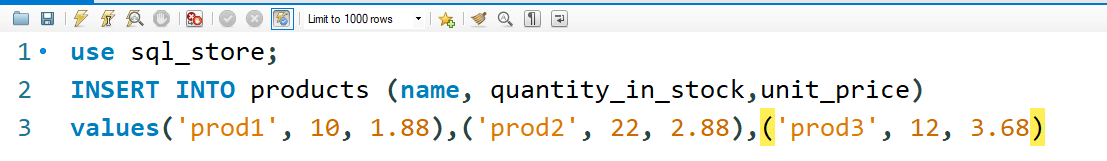


## CROSS JOIN

**CROSS JOIN**, every record from the customer table will be combined with every record from the product table, because of that we don’t have ON

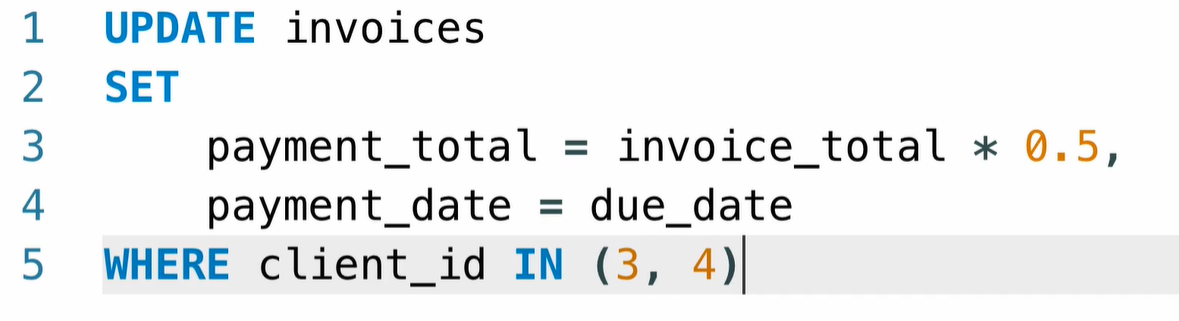
# DML

## INSERT

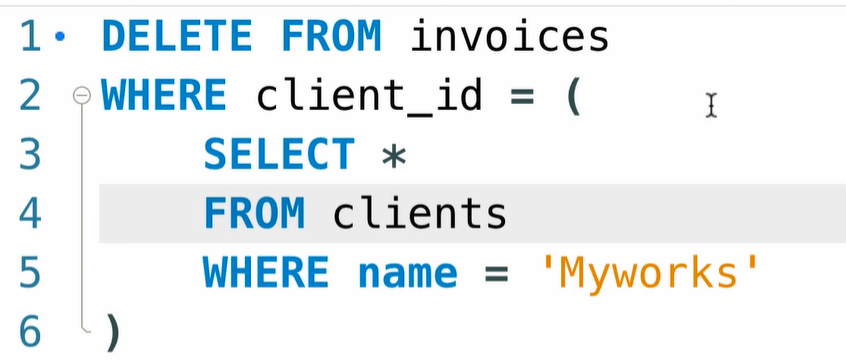


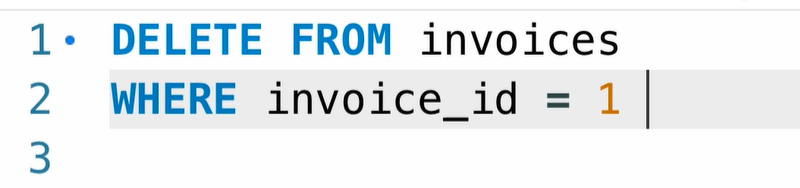
## UPDATE





## DELETE

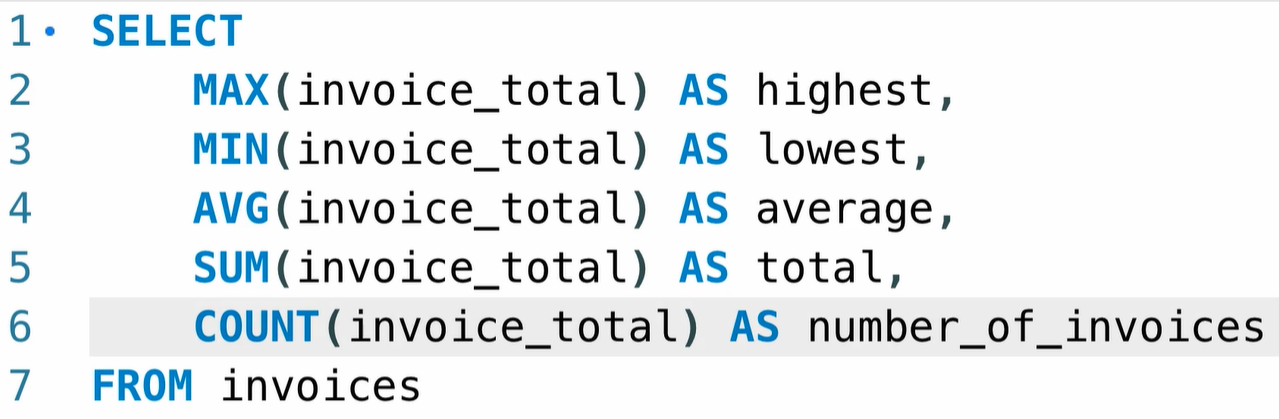




# Summarizing data

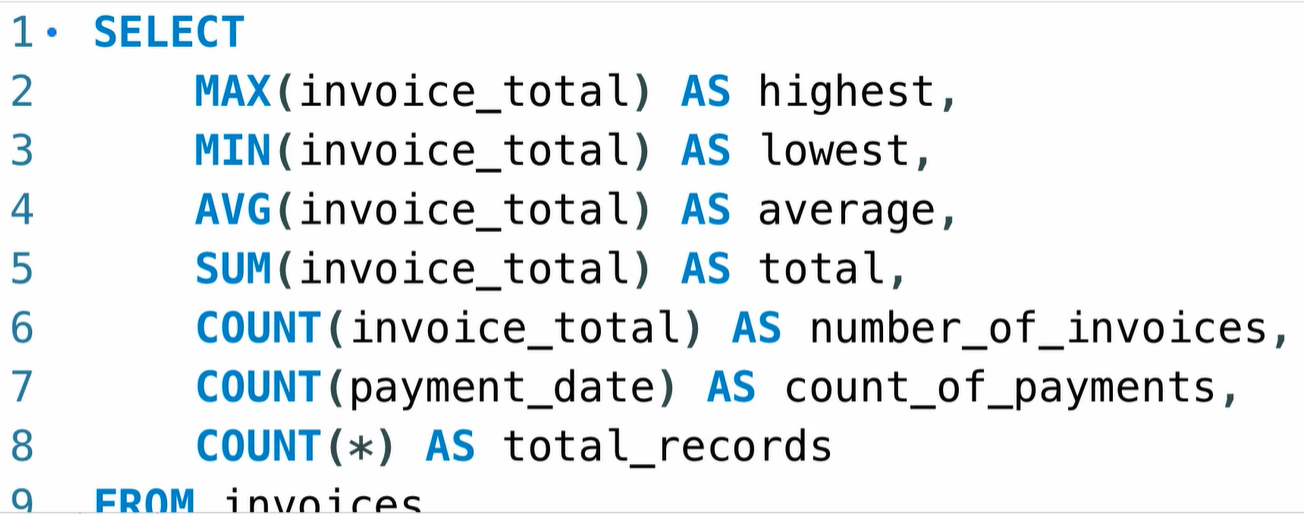
## Aggregate Functions

Aggregation function called aggregate function because they take a series of values and aggregate them to produce signal value

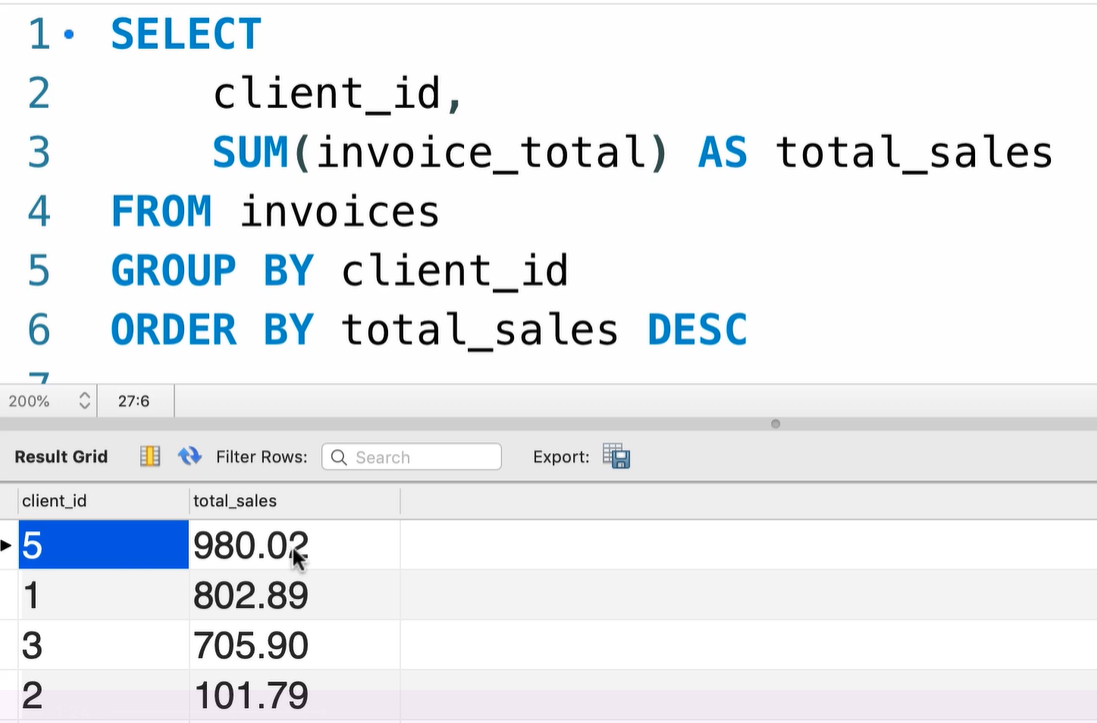
MYSQL Build in Aggregations functions



## Count



## Group by



## Having Clause

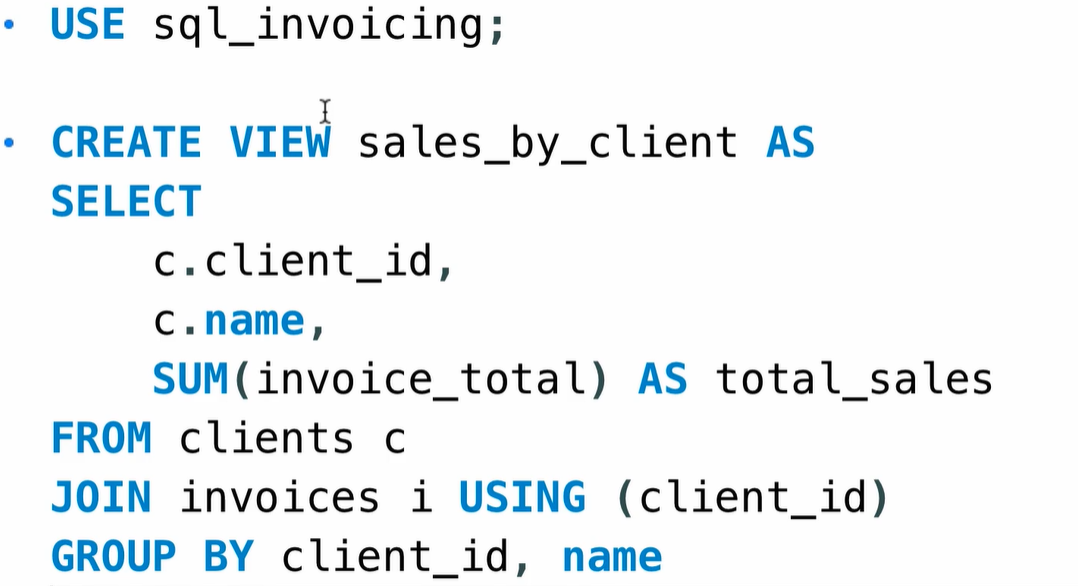


# Views & Stored Procedures

## Views

Reduce the impact: when u change the column name u just need to change the view because everything else depend on the views and not the table, because good design based on the views only and don’t work directly on the tables

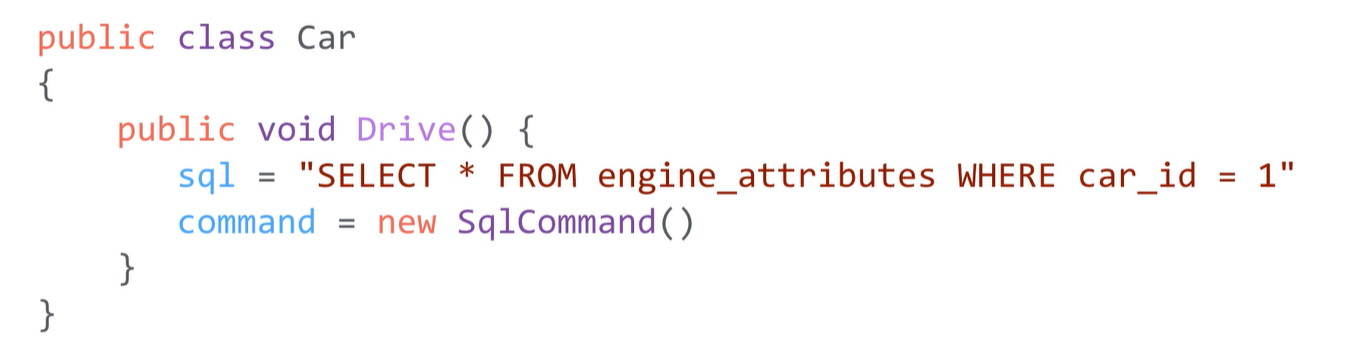
Restrict access: we can return some of the data not all the data that we have in the table





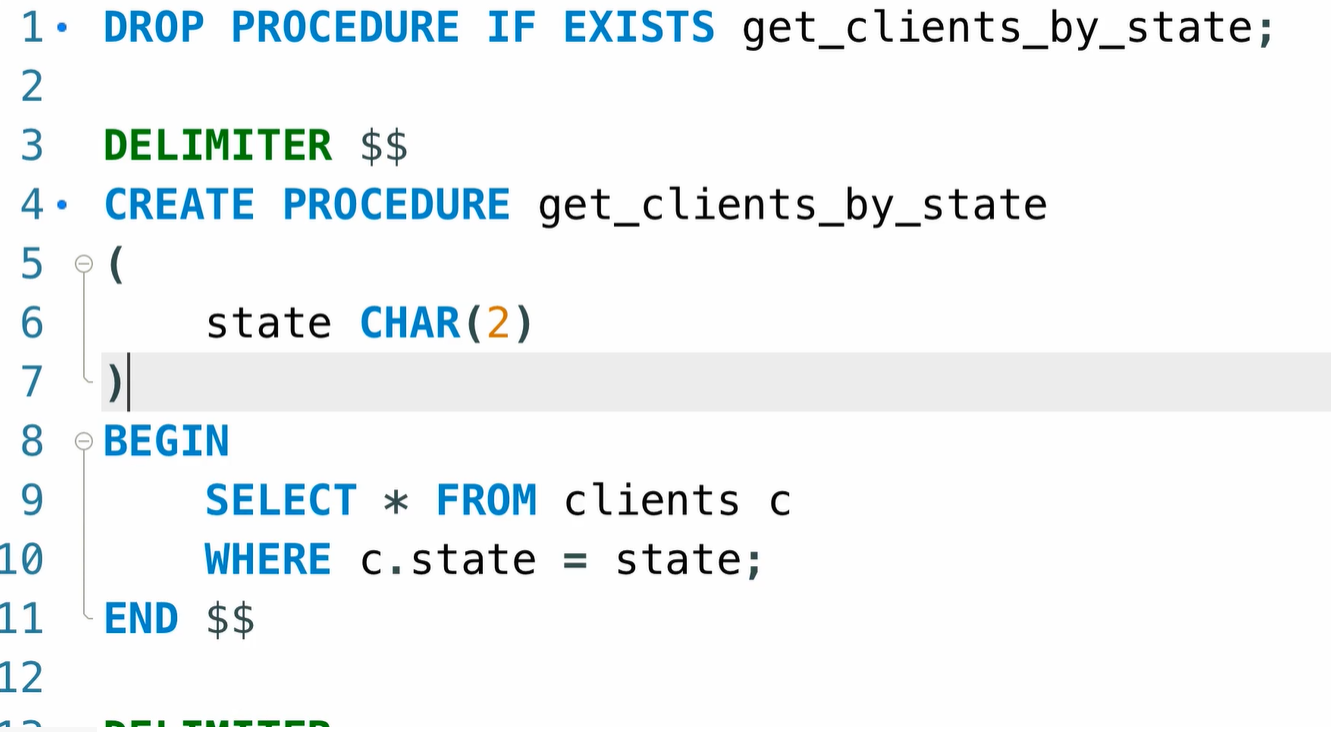
## Sored Procedures

SQL statement? You’re not going to write them in your application code for couple of reasons. One reason is it will make your application code messy and hard to maintain.

Once u have top change the sql u don’t need to compile the code

## 

### Stored Procedures with parameters





### Add

