

### **Learning Outcomes**

By the end of this unit, you will be able to:

01

Create aggregate queries.

02

Create subqueries for further data exploration.

03

Create views from tables.



Instructor Demonstration
Import Data

### **Aggregate Functions**

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Aggregate functions allow you to perform a calculation on a set of values to return a single value.

The most commonly used aggregate functions are:



AVG: calculates the average of a set values



**COUNT**: counts the rows in a specific table or view



MIN: returns the minimum value in a set of values



MAX: returns the maximum value in a set of values



SUM: calculates the sum of a set of values

### **Aggregate Functions**

Aggregate functions are often used with:



The GROUP BY clause



The HAVING clause

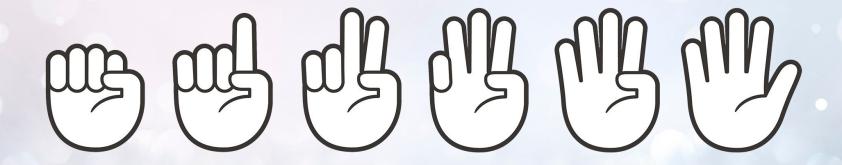


The **SELECT** statement



## Take a Break!





**FIST TO FIVE:** 

How well did you follow Aggregate Functions?



### Subqueries

A subquery is nested inside a larger query. Subqueries occur in:



The **SELECT** statement

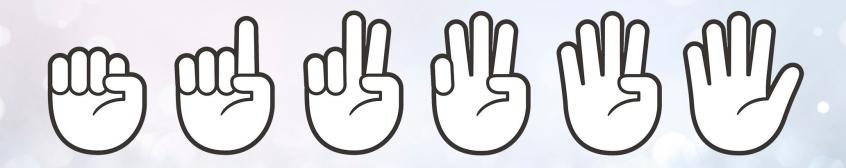


The FROM clause



The WHERE clause





FIST TO FIVE:

How well did you follow Subqueries?

# **SQL Views**

#### **SQL Views**



A view in SQL is a virtual table. It is not part of the schema, but it has rows and columns.

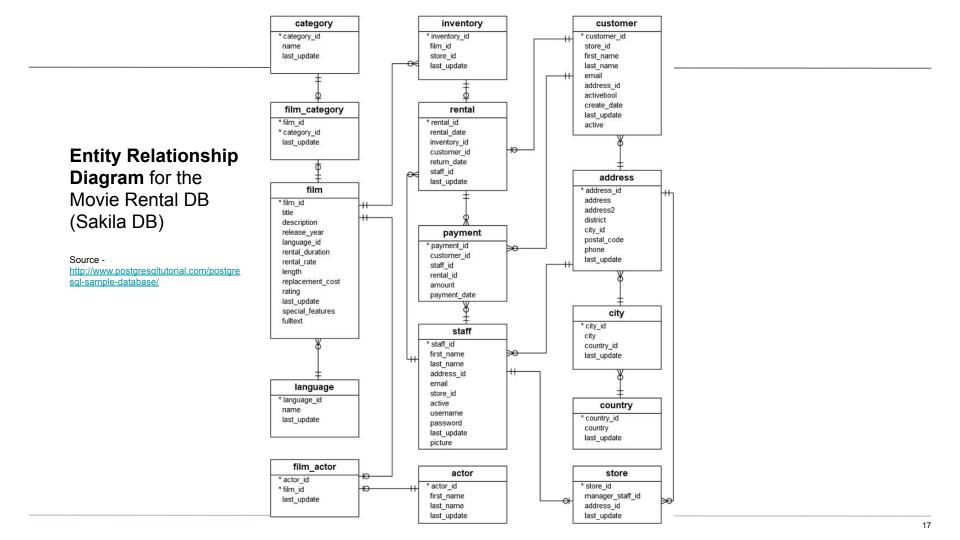


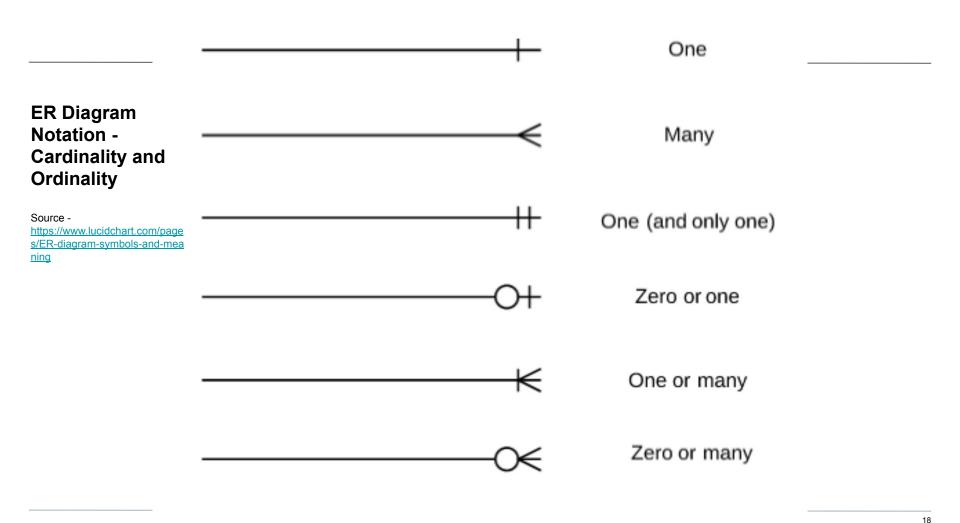
Views are created by using the CREATE VIEW statement.

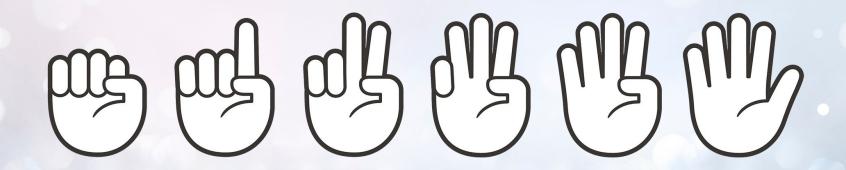


Views are created from a single table, multiple tables, or another view.









FIST TO FIVE:

How well did you follow Views?