

SQL Coding Series

WEBINAR SERIES

SESSION 3

Intermediate - Part I

| FRIDAY, JAN 27 | 10 PM ET



Astha Puri

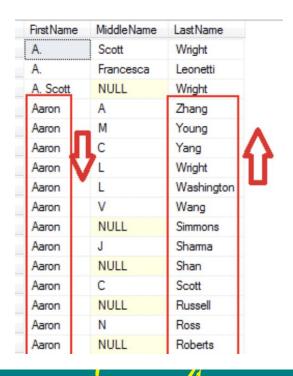
Senior Data Scientist @ Twilio

womenwhocode.com/datascience/events

SESSION 2 REVIEW



ORDER BY



We can user ORDER BY clause to order any column or multiple columns:

- Default is ascending
- DESC can be added to the query to order in descending
- Multiple columns can be ordered together



COUNT VS COUNT DISTINCT

CAT	
DOG	
DOG	
MOUSE	

COUNT = 4 COUNT DISTINCT = 3



SUM, AVG

order_id	item	amount	customer_id
1	Keyboard	400	4
2	Mouse	300	4
3	Monitor	12000	3
4	Keyboard	400	1
5	Mousepad	250	2

What is the total amount of sales done?

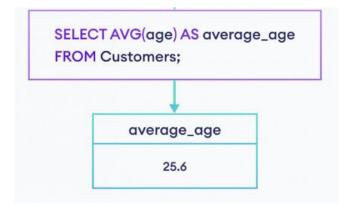




SUM, AVG

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

What is the average age of our customers?





MIN, MAX

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

What is the age of our youngest customers?





MIN, MAX

	<i>c</i>	1		
customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

What is the age of our oldest customer?





GROUP BY

Table: Customers					
customer_id	first_name	last_name	age	country	
1	John	Doe	31	USA	
2	Robert	Luna	22	USA	
3	David	Robinson	22	UK	
4	John	Reinhardt	25	UK	
5	Betty	Doe	28	UAE	

How many customers do we have from each country?



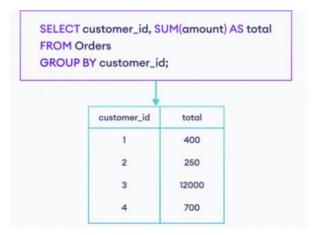


GROUP BY

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order_id	item	amount	customer_id
1	Keyboard	400	4
2	Mouse	300	4
3	Monitor	12000	3
4	Keyboard	400	1
5	Mousepad	250	2

How much amount has each customer spent?

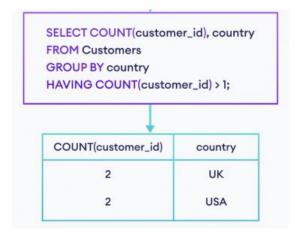




HAVING

		: Customers		
customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

From which countries do we have more than 1 customer?

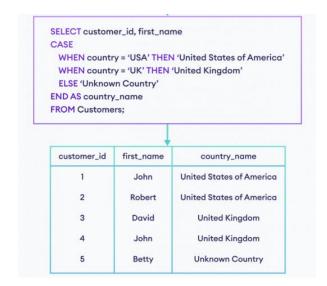




CASE STATEMENTS

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

I want USA and UK to be displayed by their full name.





Join us on Slack to ask questions and keep the discussion going!

Use the channel:

#sql-coding-series



Code with SQL

https://www.sql-practice.com/



Thank you!

