# Team Activity - Week 5

Objective: Practice SQL queries on the course database(s).

## Question 1

Team Leader: Saúl Abraham Arana Calderón

Question: Count how many works of art each artist has (show artist's name and quantity).

### SQL

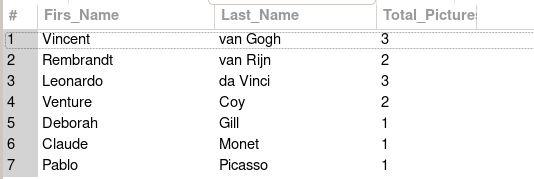
USE v\_art;

SELECT artist.fname First\_Name, artist.lname Last\_Name, COUNT(artwork.artwork\_id) AS Total\_Pictures

FROM artist

JOIN artwork ON artist.artist\_id = artwork.artist\_id

GROUP BY artist.artist\_id;



## Question 2

Team Leader: Saúl Abraham Arana Calderón

Question: List all works containing the keyword “landscape”.

### SQL

USE v\_art;

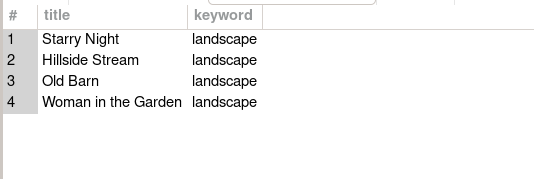
SELECT artwork.title, keyword.keyword

FROM artwork

JOIN artwork\_keyword ON artwork.artwork\_id = artwork\_keyword.artwork\_id

JOIN keyword ON artwork\_keyword.keyword\_id = keyword.keyword\_id

WHERE keyword.keyword = 'landscape';



## Question 3

Team Leader: Saúl Abraham Arana Calderón

Question: Find the year of the oldest work for each artist's country.

### SQL

USE v\_art;

SELECT artist.fname First\_Name,artist.lname Last\_Name, artist.country, MIN(artwork.artyear) AS Oldest\_Picture

FROM artist

JOIN artwork ON artist.artist\_id = artwork.artist\_id

GROUP BY artist.country;



## Question 4

Team Leader: Saúl Abraham Arana Calderón

Question: Count how many orders each employee (staff) handled in 2017.

### SQL

USE bike;

SELECT co.staff\_id ID, st.first\_name First\_Name, st.last\_name Last\_name, COUNT(co.cust\_order\_id) AS total\_orders

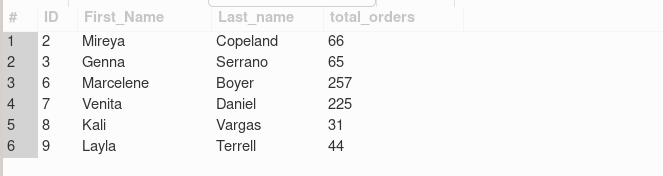
FROM cust\_order co

LEFT JOIN staff st

ON st.staff\_id = co.staff\_id

WHERE YEAR(order\_date) = 2017

GROUP BY co.staff\_id;



## Question 5

Team Leader: Saúl Abraham Arana Calderón

Question: Show orders with status “4” (completed) that required more than 5 days to ship.

### SQL

USE bike;

SELECT cust\_order\_id, order\_date, shipped\_date

FROM cust\_order

WHERE order\_status = 4

AND DATEDIFF(shipped\_date, order\_date) > 5;

