

The background is a detailed historical painting of a harbor, likely the Bosphorus in Istanbul. It shows numerous sailing ships of various sizes in the water, with some in the foreground and others further out. The shoreline is lined with buildings, including several prominent domed structures, possibly mosques or government buildings. In the distance, there are rolling hills and mountains under a sky with soft, golden clouds, suggesting a sunset or sunrise. The overall style is that of a 19th-century landscape painting.

PROJECT

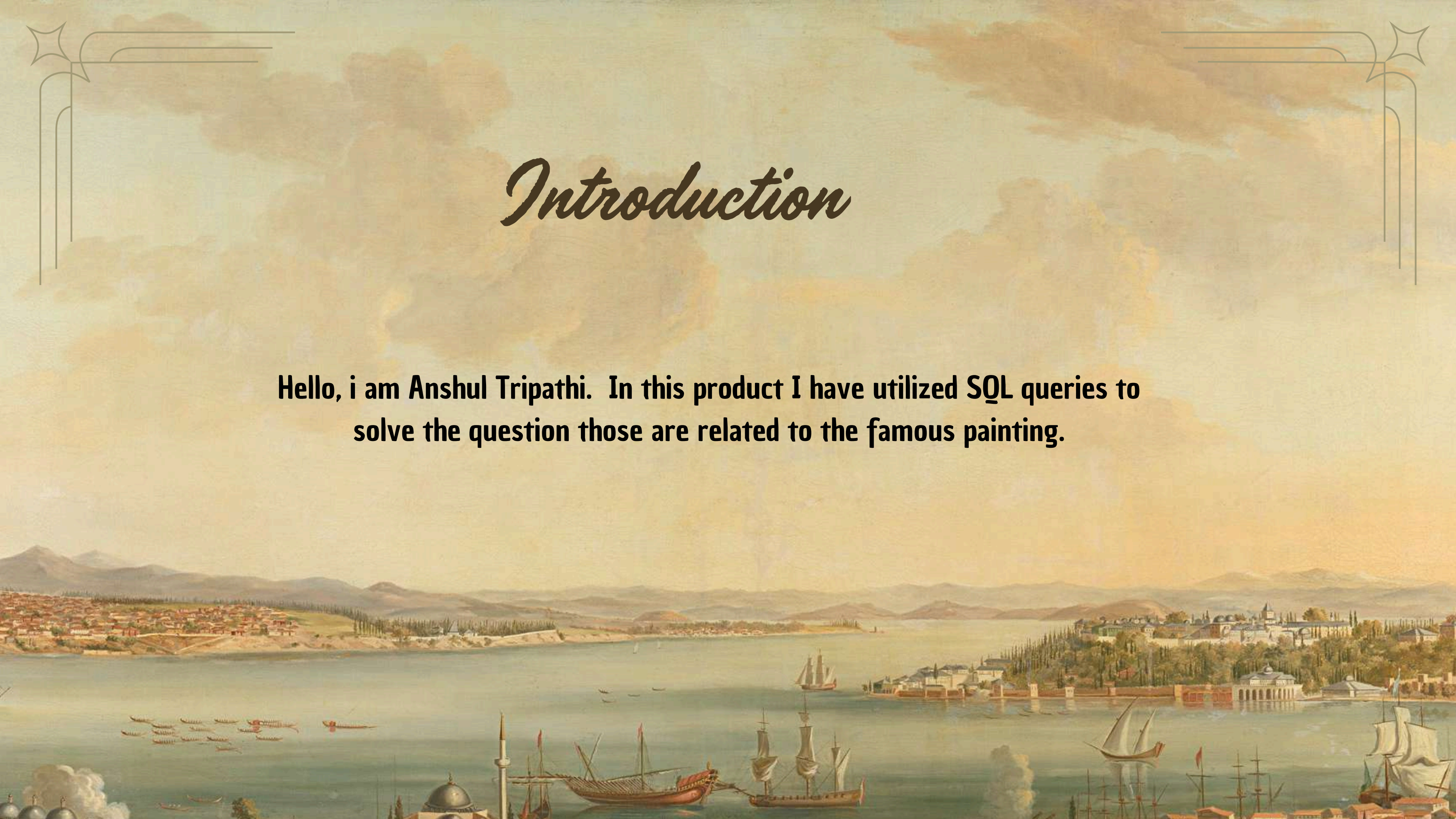
Portfolio

ON FAMOUS
PAINTING

By Anshul Tripathi

Introduction

Hello, i am Anshul Tripathi. In this product I have utilized SQL queries to solve the question those are related to the famous painting.



1. ARE THERE MUSEUEMS WITHOUT ANY PAINTINGS?

```
SELECT  
    COUNT(*)  
FROM  
    museum AS m  
    LEFT JOIN  
    work AS w ON m.museum_id = w.museum_id  
WHERE  
    w.work_id IS NULL;
```

	count(*)
▶	16

2. IDENTIFY THE PAINTINGS WHOSE ASKING PRICE IS LESS THAN 50% OF ITS REGULAR PRICE

```
SELECT
    *
FROM
    product_size
WHERE
    sale_price < (.5 * regular_price)
order by regular_price desc
limit 5;
```

	work_id	size_id	sale_price	regular_price
▶	190824	6040	635	1275
	961	4060	615	1255
	20084	6040	585	1245
	4703	4848	505	1015
	4455	4848	505	1015

3.WHICH CANVA SIZE COSTS THE MOST?

```
select c.label,c.size_id, max(sale_price) as price
  from canvas_size as c
 left join product_size as p
on c.size_id = p.size_id
 group by c.label, c.size_id
 order by price desc
 limit 1;
```

	label	size_id	price
►	48" x 96"(122 cm x 244 cm)	4896	1115

4.FETCH THE TOP 10 MOST FAMOUS PAINTING SUBJECT

```
select distinct subject, count(artist_id) as cn
  from subject as s
join work as w
on s.work_id = w.work_id
group by subject
order by cn desc
limit 10 ;
```

	subject	cn
▶	Portraits	334
	Marine Art/Maritime	182
	Christianity	105
	Landscape Art	104
	Still-Life	88
	Rivers/Lakes	68
	Architectures	61
	Nude	56
	Flowers	54
	Seascapes	52



5.IDENTIFY THE MUSEUMS WHICH ARE OPEN ON BOTH SUNDAY AND MONDAY. DISPLAY MUSEUM NAME, CITY.

```
select m.name as museum_name, m.city
from museum_hours as mh1
join museum as m on m.museum_id = mh1.museum_id
where day = 'sunday'
and exists (select * from museum_hours as mh2
            where mh2.museum_id = mh1.museum_id
            and mh2.day = 'monday')
```

	museum_name	city
►	The Museum of Modern Art	New York
	Pushkin State Museum of Fine Arts	Moscow
	National Gallery of Victoria	Melbourne
	The Metropolitan Museum of Art	New York
	Museum of Grenoble	38000
	Nelson-Atkins Museum of Art	Kansas City
	Musée du Louvre	75001
	National Maritime Museum	London
	Museum of Fine Arts Boston	Boston
	Rijksmuseum	Amsterdam
	Israel Museum	Jerusalem
	National Gallery of Art	Washington
	National Gallery	London
	Mauritshuis Museum	Den Haag
	The Prado Museum	Madrid
	The Barnes Foundation	Philadelphia

6. WHICH ARE THE TOP 5 MOST POPULAR MUSEUM? (POPULARITY IS -- DEFINED BASED ON MOST NO OF PAINTINGS IN A MUSEUM)

```
SELECT
    m.name, m.museum_id, COUNT(m.museum_id) AS no_of_painting
FROM
    museum AS m
    LEFT JOIN
    work AS w ON m.museum_id = w.museum_id
GROUP BY m.name , m.museum_id
ORDER BY COUNT(*) DESC
LIMIT 5;
```

	name	museum_id	no_of_painting
►	The Metropolitan Museum of Art	35	536
	Rijksmuseum	43	352
	National Gallery	47	314
	National Gallery of Art	46	175
	National Maritime Museum	41	131

7. WHO ARE THE TOP 5 MOST POPULAR ARTIST? (POPULARITY IS DEFINED BASED ON MOST NO OF PAINTINGS DONE BY AN ARTIST)

```
SELECT
    a.full_name, nationality, COUNT(*) AS no_of_painting
FROM
    artist AS a
    LEFT JOIN
    work AS w ON a.artist_id = w.artist_id
GROUP BY a.full_name , nationality
ORDER BY no_of_painting DESC
LIMIT 5;
```

	full_name	nationality	no_of_painting
►	Peter Paul Rubens	Flemish	56
	Claude Monet	French	45
	Jean Baptiste Vanmour	Flemish	30
	Francesco Guardi	Italian	28
	Jan Steen	Dutch	28

8. WHICH MUSEUM HAS THE MOST NO OF MOST POPULAR PAINTING STYLE?

```
SELECT
    m.name, w.style, COUNT(*) AS cn
FROM
    museum AS m
    LEFT JOIN
        work AS w ON m.museum_id = w.museum_id
GROUP BY m.name , w.style
ORDER BY cn DESC
LIMIT 1;
```

	name	style	cn
►	Rijksmuseum	Baroque	153

9. DISPLAY THE COUNTRY AND THE CITY WITH THE MOST NO OF MUSEUMS.

-- OUTPUT 2 SEPERATE COLUMNS TO MENTION THE CITY AND COUNTRY.

```
with cte_country as (  
    SELECT country, count(*) as no_of_museum,  
    rank() over (order by count(*) desc) as ranks  
    FROM museum  
    group by country),  
cte_city as (  
    SELECT city, count(*) as no_of_museum,  
    rank() over (order by count(*) desc) as ranks  
    FROM museum  
    group by city)  
select country ,city  
from cte_country  
cross join cte_city  
where cte_country.ranks = 1  
and cte_city.ranks = 1
```

	country	city
▶	USA	New York
	USA	Paris
	USA	Washington
	USA	London

10. IDENTIFY THE ARTISTS WHOSE PAINTINGS ARE DISPLAYED IN MULTIPLE COUNTRIES

```
SELECT
    a.full_name, a.style, m.country, COUNT(*) AS no_of_paintings
FROM
    museum AS m
    JOIN
    work AS w ON m.museum_id = w.museum_id
    JOIN
    artist AS a ON w.artist_id = a.artist_id
GROUP BY a.full_name , a.style , m.country
ORDER BY no_of_paintings DESC;
```

	full_name	style	country	no_of_paintings
▶	Claude Monet	Impressionist	USA	36
	Jean Baptiste Vanmour	Orientalist	Netherlands	30
	Peter Paul Rubens	Baroque	USA	29
	John Singleton Copley	Colonial	USA	25
	Jan Steen	Baroque	Netherlands	25
	Thomas Sully	Portraitist	USA	22
	Ivan Aivazovskiy	Landscape Art	Russia	21
	Anton Raphael Mengs	Neoclassical	Spain	20
	Gilbert Stuart	Portraitist	USA	20
	Nicolas Poussin	Baroque	UK	19
	Francisco De Goya	Rococo	Spain	18
	Cornelis Troost	Rococo	Netherlands	17
	Paul C��zanne	Post-Impressi...	USA	17

11.WHICH ARTIST HAS THE MOST NO OF PORTRAITS PAINTINGS OUTSIDE USA?. DISPLAY ARTIST NAME, NO OF PAINTINGS AND THE ARTIST NATIONALITY

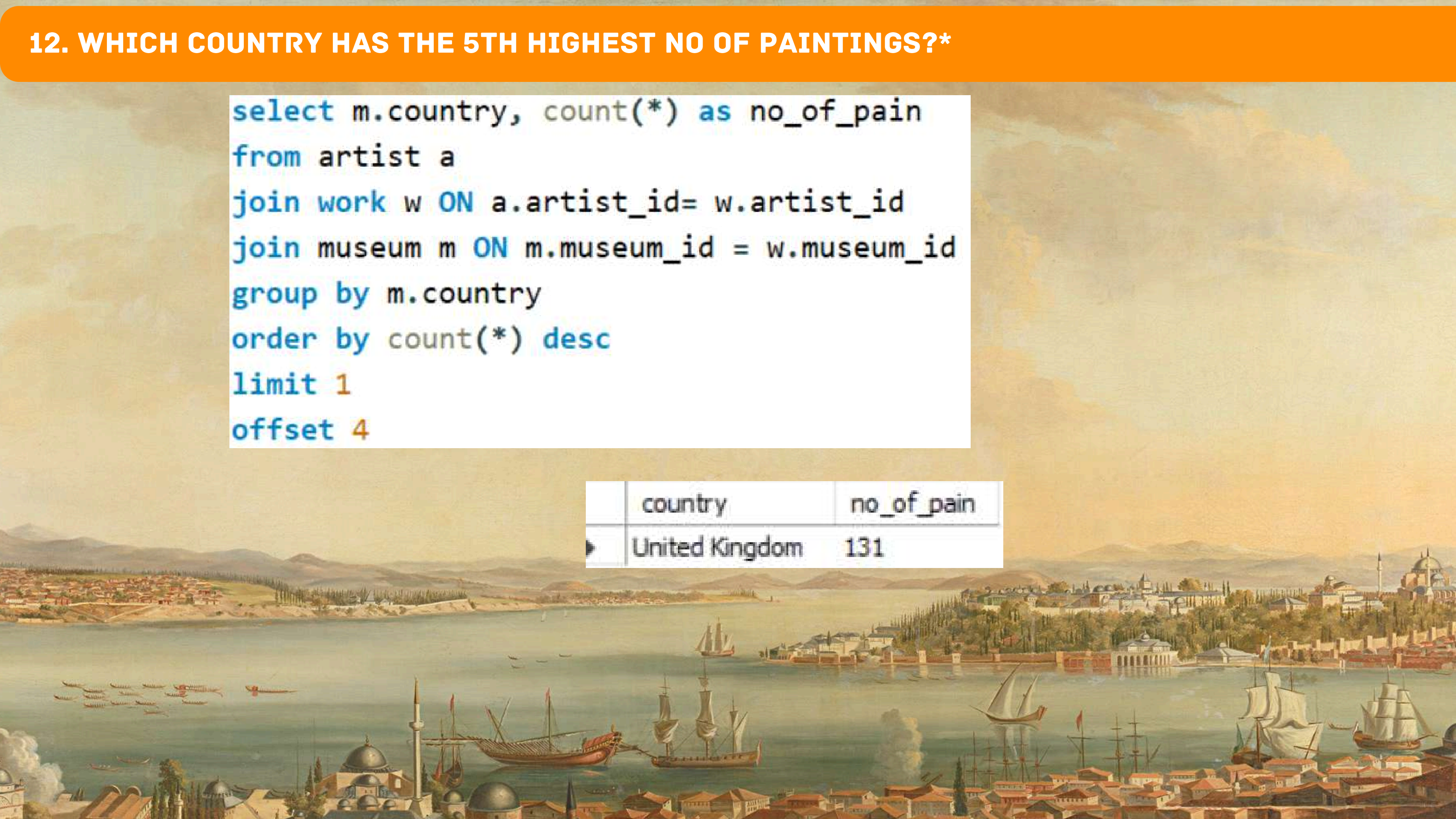
```
select a.full_name, a.nationality, count(*) as no_of_paintings
from work w
join artist a on a.artist_id=w.artist_id
join subject s on s.work_id=w.work_id
join museum m on m.museum_id=w.museum_id
where m.country <> 'USA' AND s.subject = 'Portraits'
group by a.full_name, a.nationality
order by count(*) desc
limit 1;
```

	full_name	nationality	no_of_paintings
1	Jan Willem Pieneman	Dutch	14

12. WHICH COUNTRY HAS THE 5TH HIGHEST NO OF PAINTINGS?*

```
select m.country, count(*) as no_of_pain
from artist a
join work w ON a.artist_id= w.artist_id
join museum m ON m.museum_id = w.museum_id
group by m.country
order by count(*) desc
limit 1
offset 4
```

	country	no_of_pain
►	United Kingdom	131





**THANK
YOU**

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