SQL Project

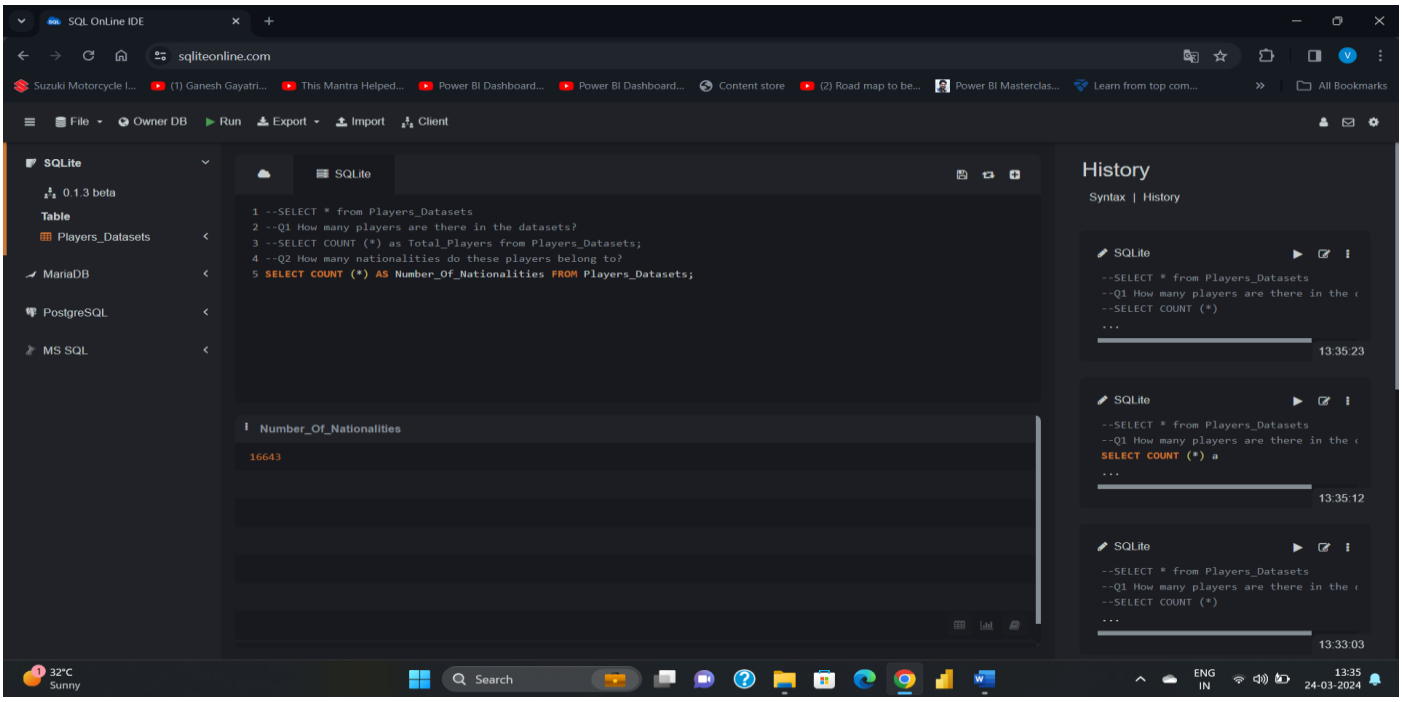
Dataset: Fifa19 Players

Q-1 How many players are there in the datasets?

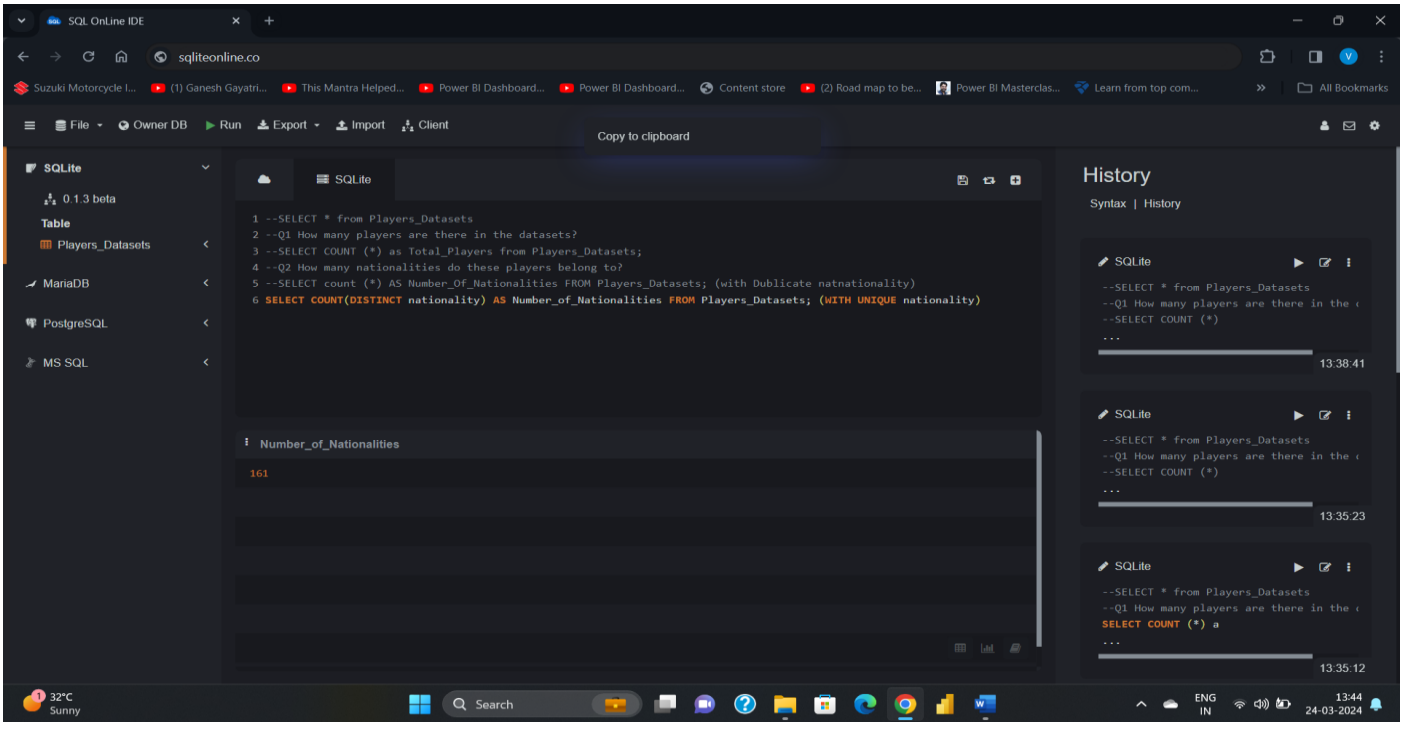
SELECT COUNT (*) as Total_Players from Players_Datasets;

Q-2 How many nationalities do these players belong to? (16643)

SELECT count (*) AS Number_Of_Nationalities FROM Players_Datasets;
(will show duplicates nationalities as well)

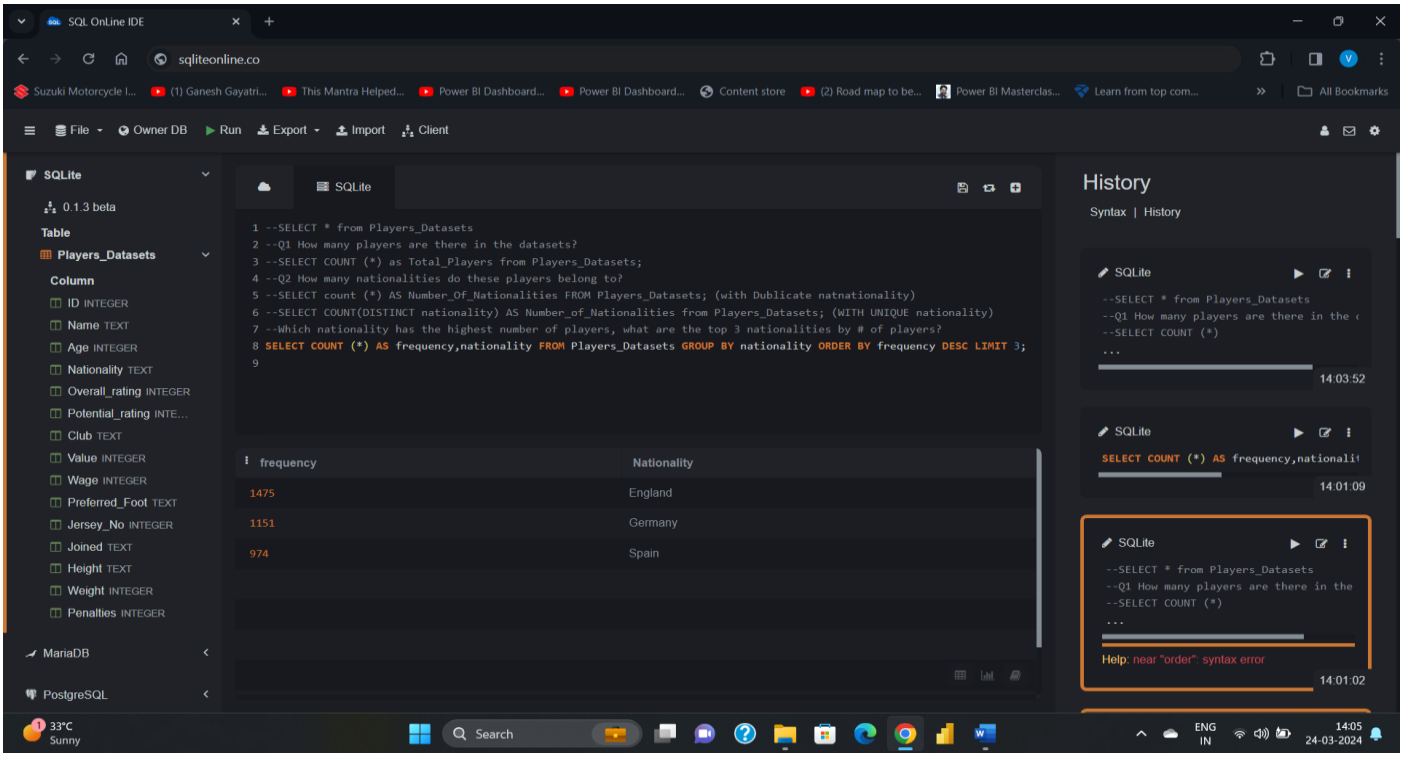


SELECT COUNT(DISTINCT nationality) AS Number_of_Nationalities from Players_Datasets; (161)
(will show unique count of nationalities)



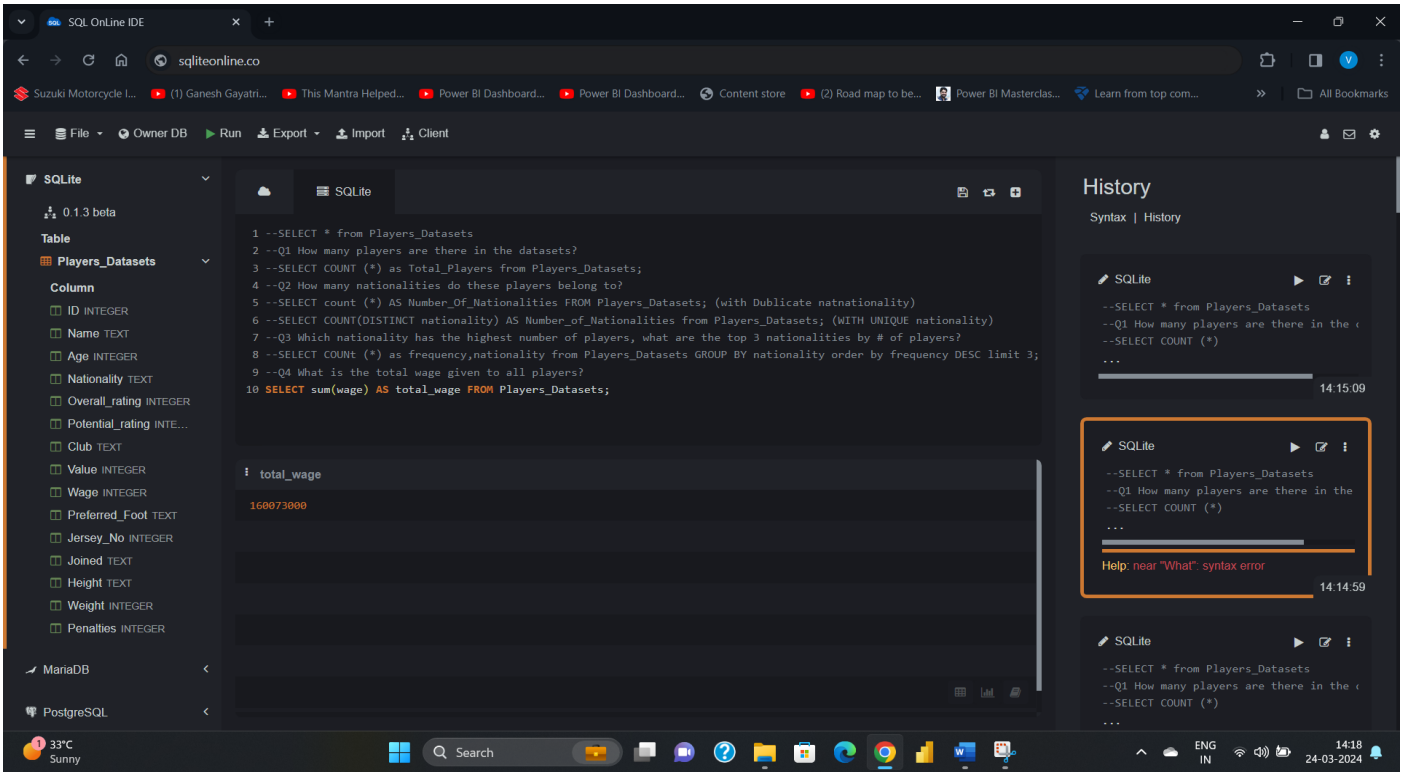
Q-3 Which nationality has the highest number of players, what are the top 3 nationalities by # of players?

SELECT COUNt (*) as frequency,nationality from Players_Datasets GROUP BY nationality order by frequency DESC limit 3;



Q-4 What is the total wage given to all players?

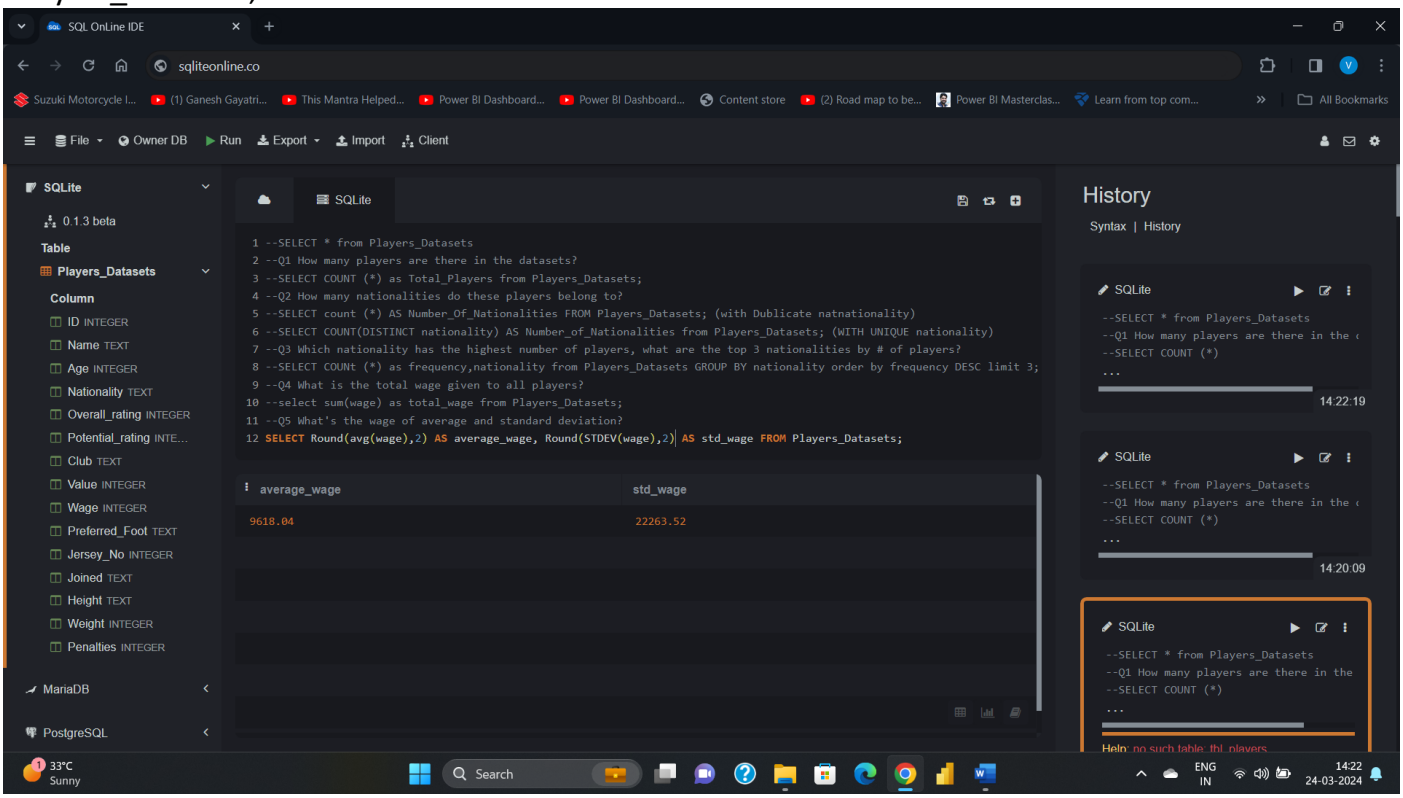
select sum(wage) as total_wage from Players_Datasets;



Q-5 What's the wage of average and standard deviation?

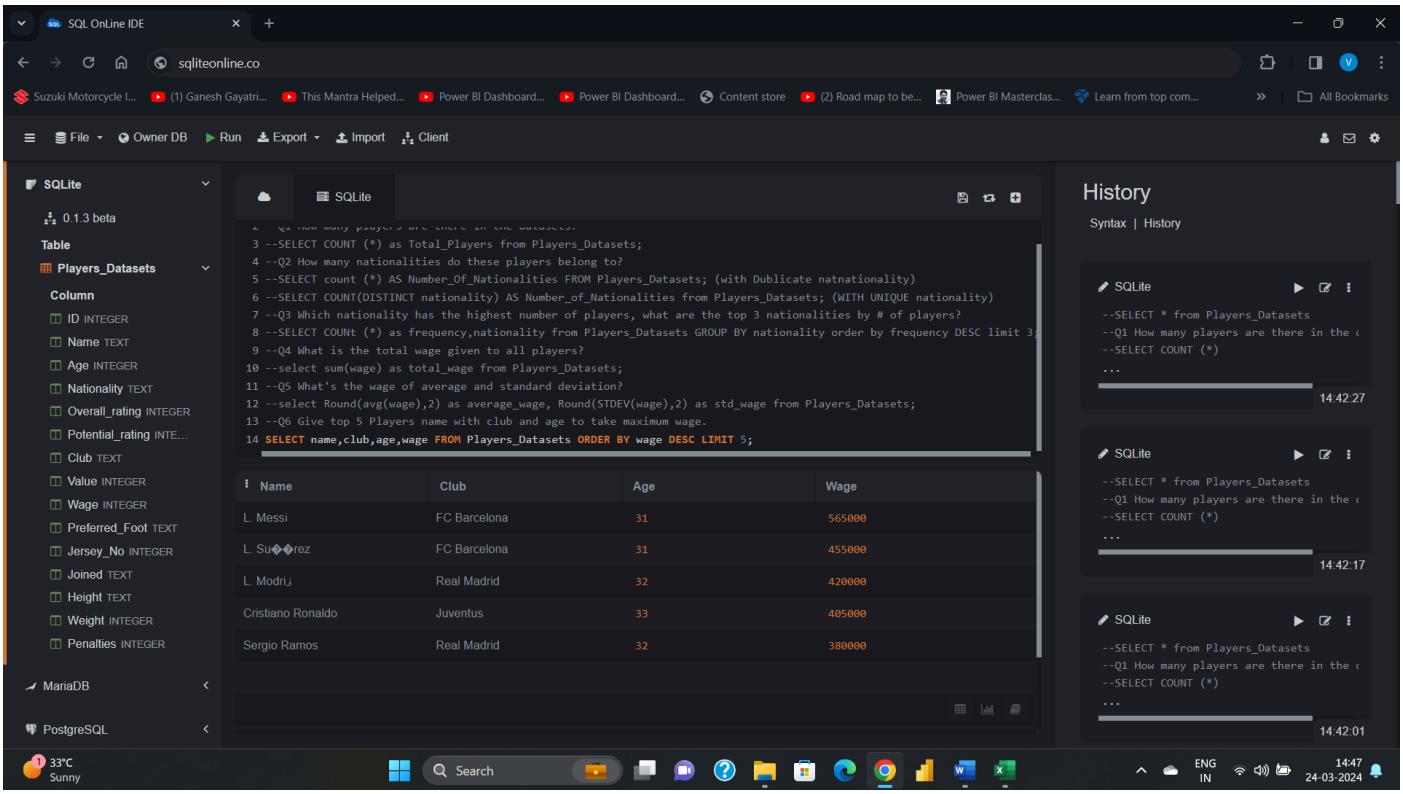
select Round(avg(wage),2) as average_wage, Round(STDEV(wage),2) as std_wage from

Players_Datasets;



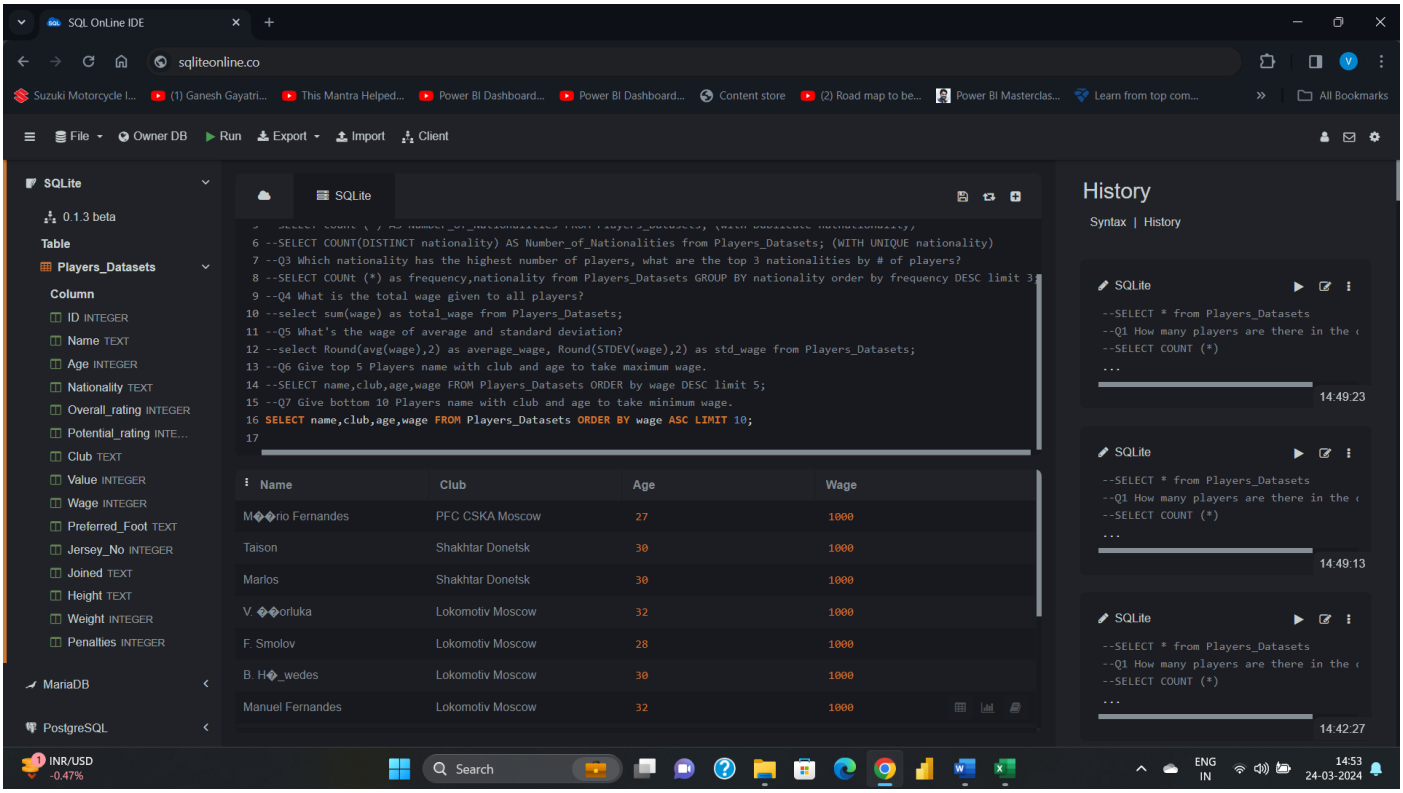
Q-6 Give top 5 Players name with club and age to take maximum wage.

SELECT name,club,age,wage FROM Players_Datasets ORDER by wage DESC limit 5;



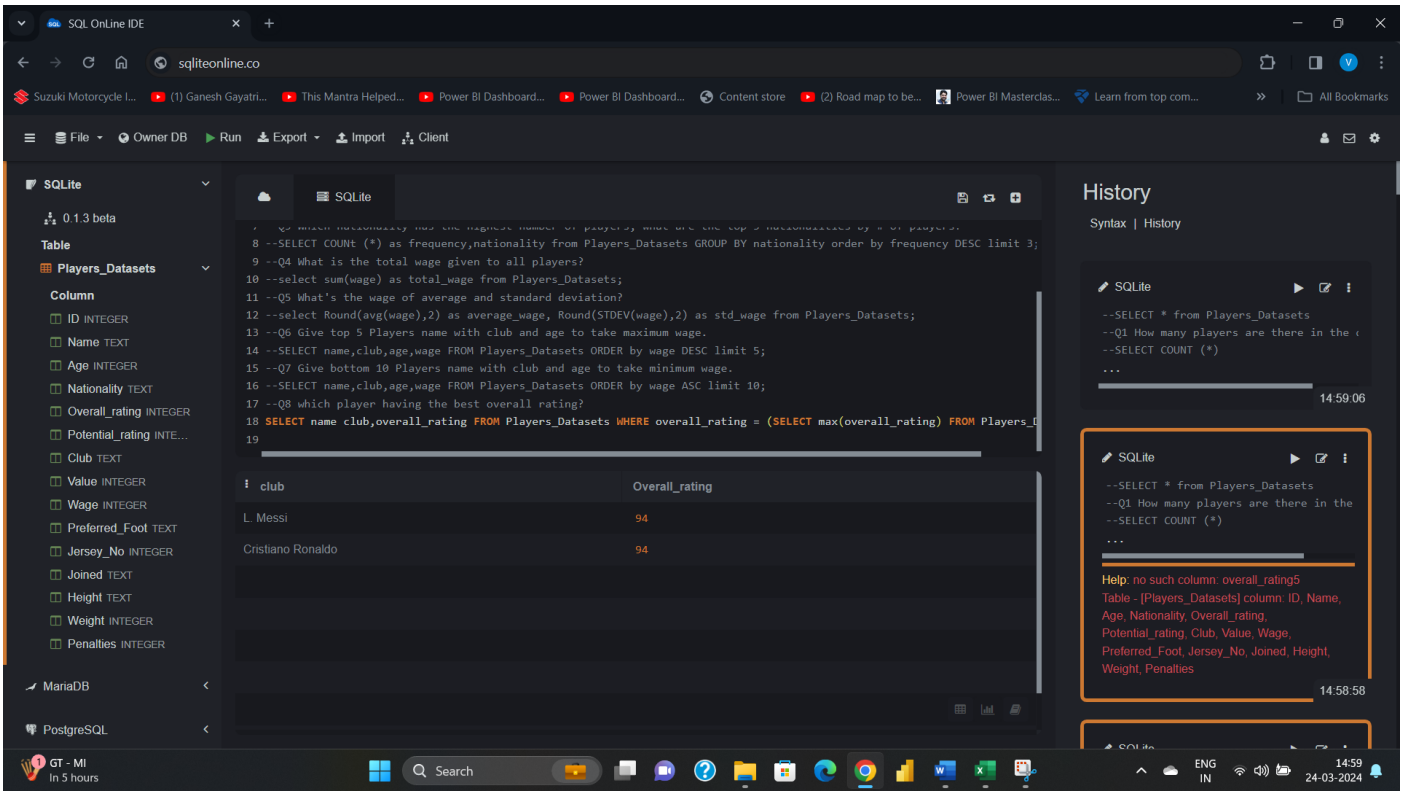
Q-7 Give bottom 10 Players name with club and age to take minimum wage.

SELECT name,club,age,wage FROM Players_Datasets ORDER by wage ASC limit 10;



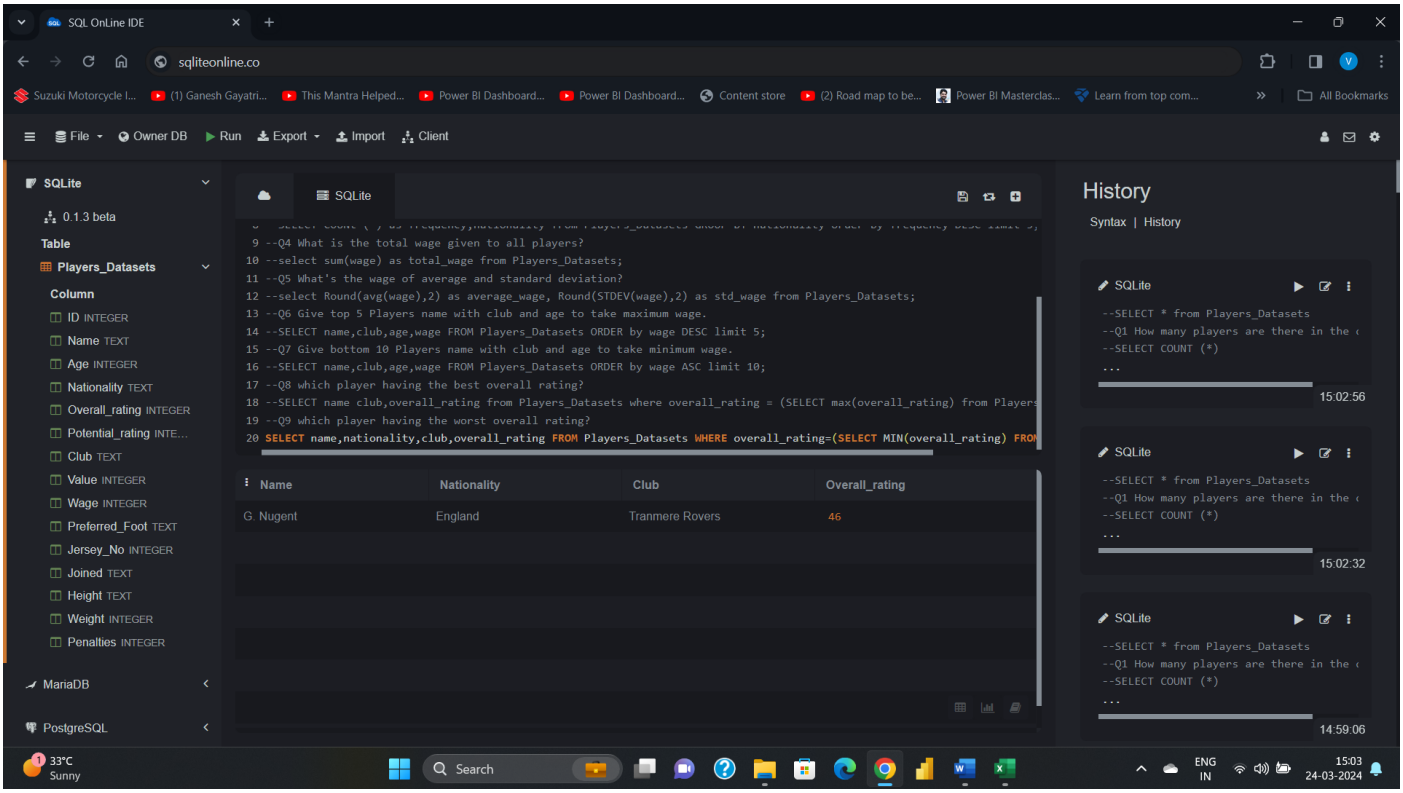
Q-8 which player having the best overall rating?

SELECT name club,overall_rating from Players_Datasets where overall_rating = (SELECT max(overall_rating) from Players_Datasets);



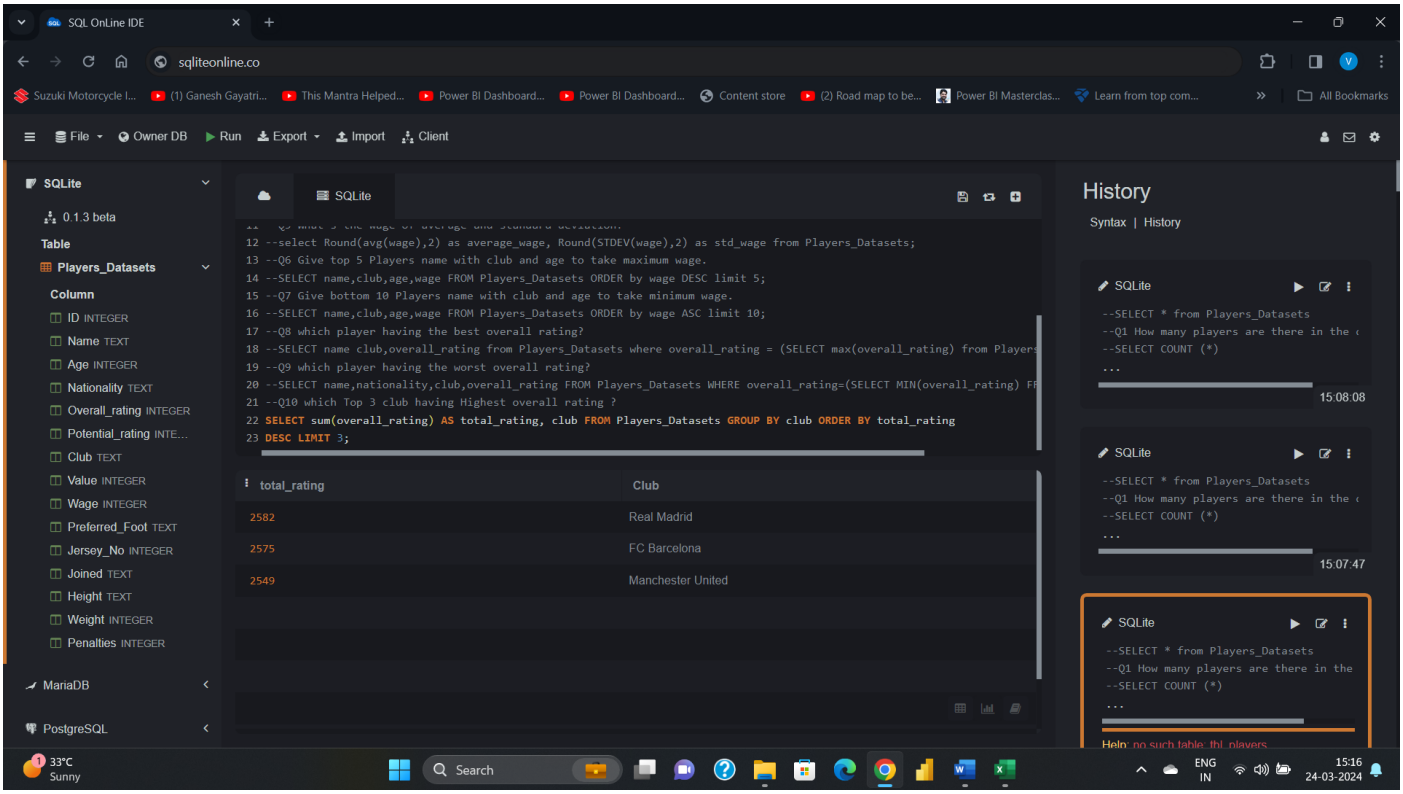
Q-9 which player having the worst overall rating?

SELECT name,nationality,club,overall_rating FROM Players_Datasets WHERE overall_rating=(SELECT MIN(overall_rating) FROM Players_Datasets);



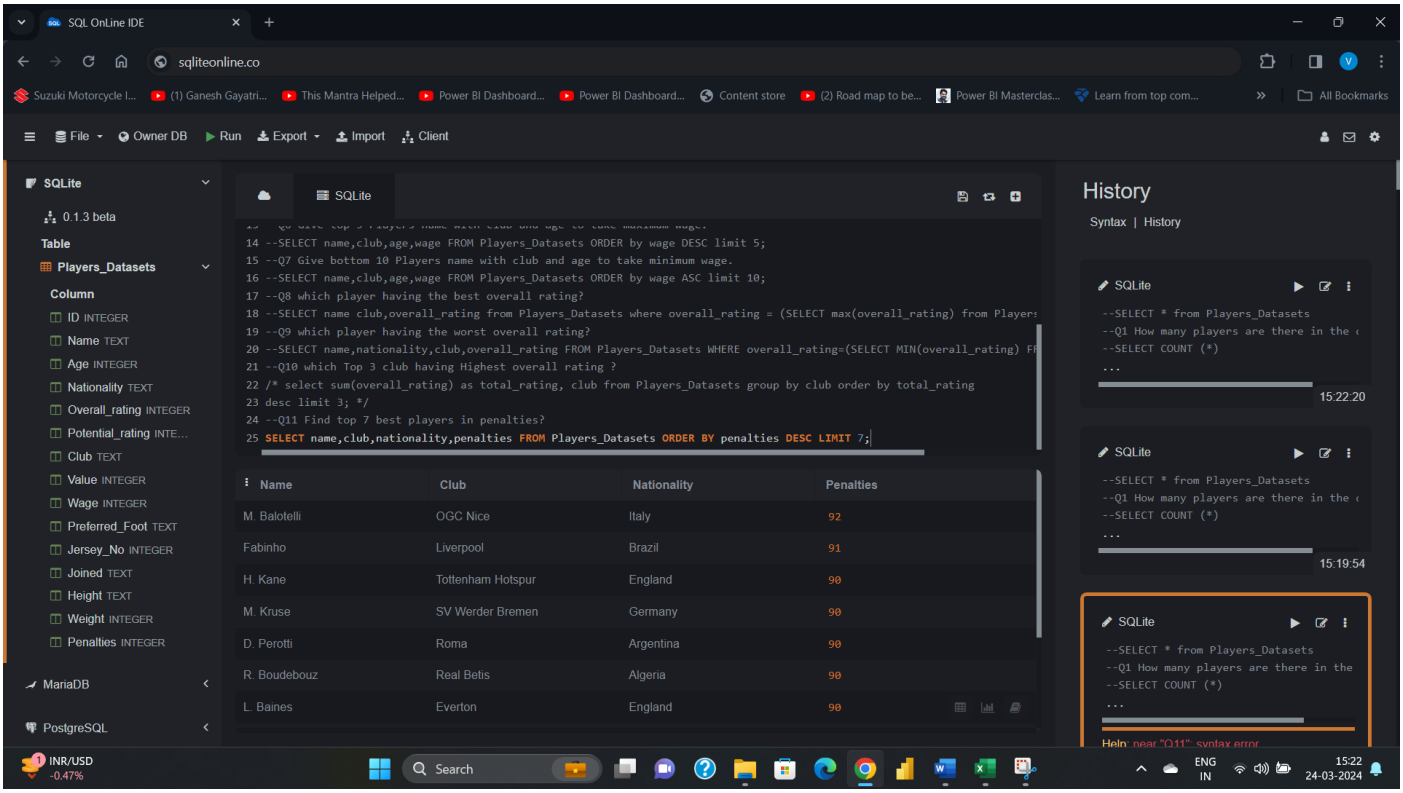
Q-10 which Top 3 club having Highest overall rating?

select sum(overall_rating) as total_rating, club from Players_Datasets group by club order by total_rating desc limit 3;



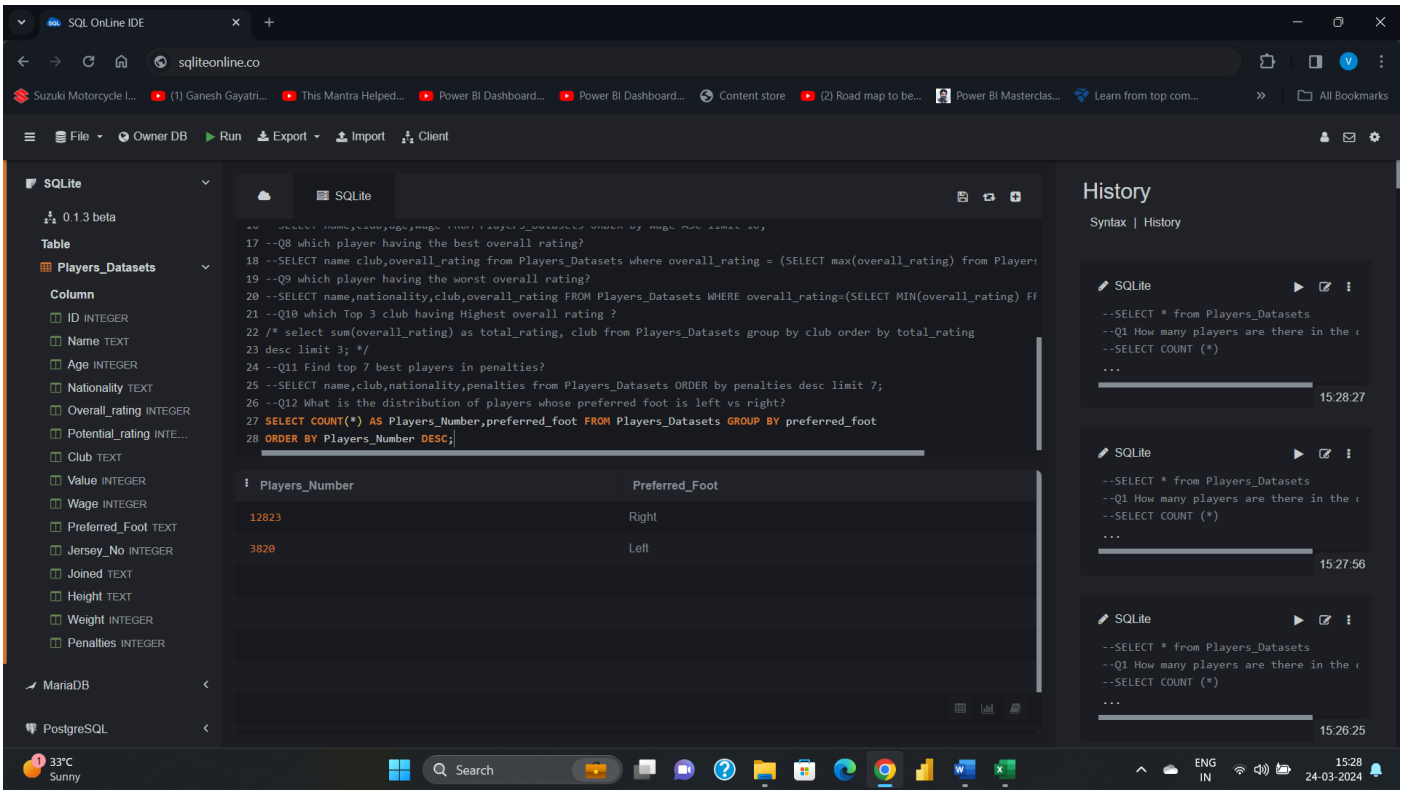
Q-11 Find top 7 best players in penalties?

SELECT name,club,nationality,penalties from Players_Datasets ORDER by penalties desc limit 7;



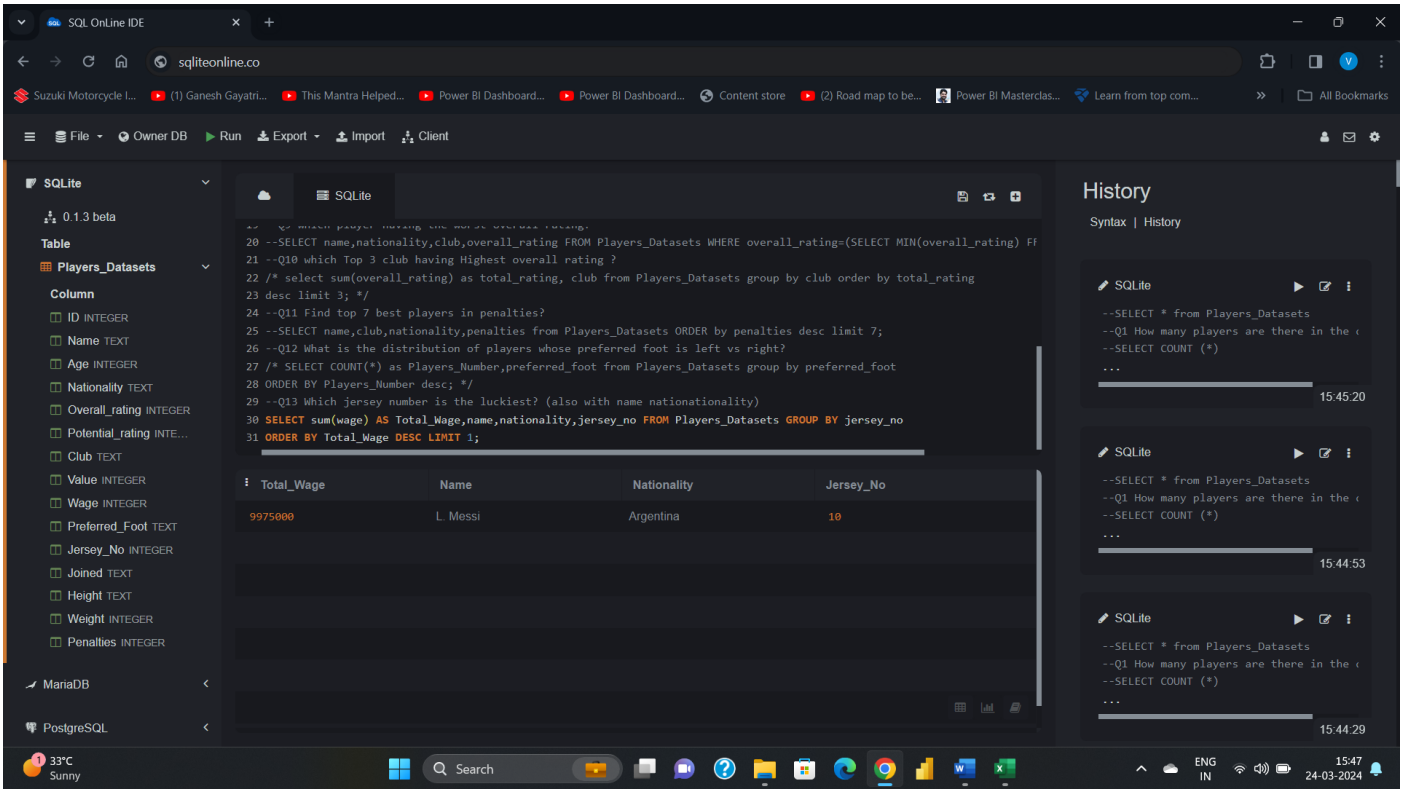
Q-12 What is the distribution of players whose preferred foot is left vs right?

SELECT COUNT(*) as Players_Number,preferred_foot from Players_Datasets group by preferred_foot ORDER BY Players_Number desc;



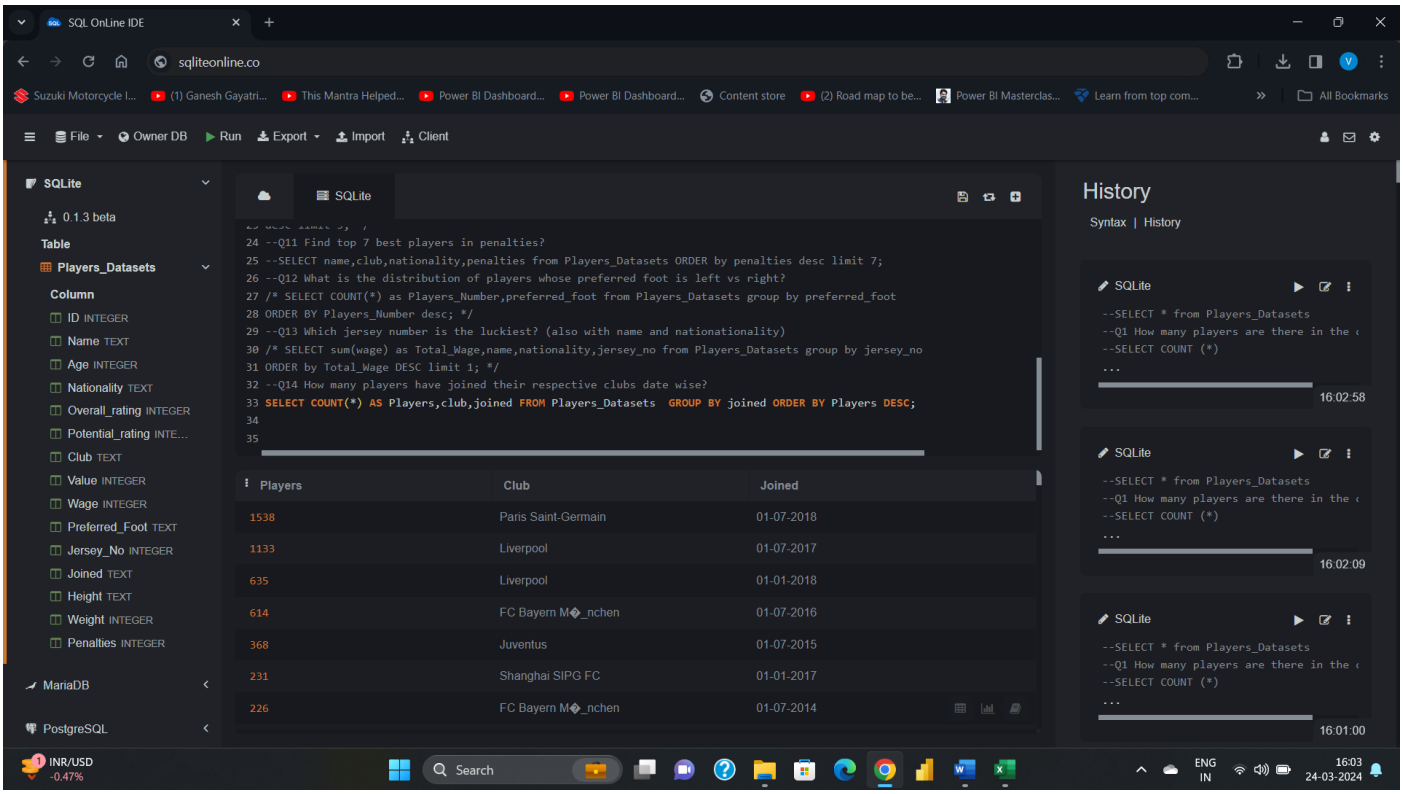
Q13 Which jersey number is the luckiest? (also with name and nationality)

SELECT sum(wage) as Total_Wage,name,nationality,jersey_no from Players_Datasets group by jersey_no ORDER by Total_Wage DESC limit 1;



Q-14 How many players have joined their respective clubs date wise?

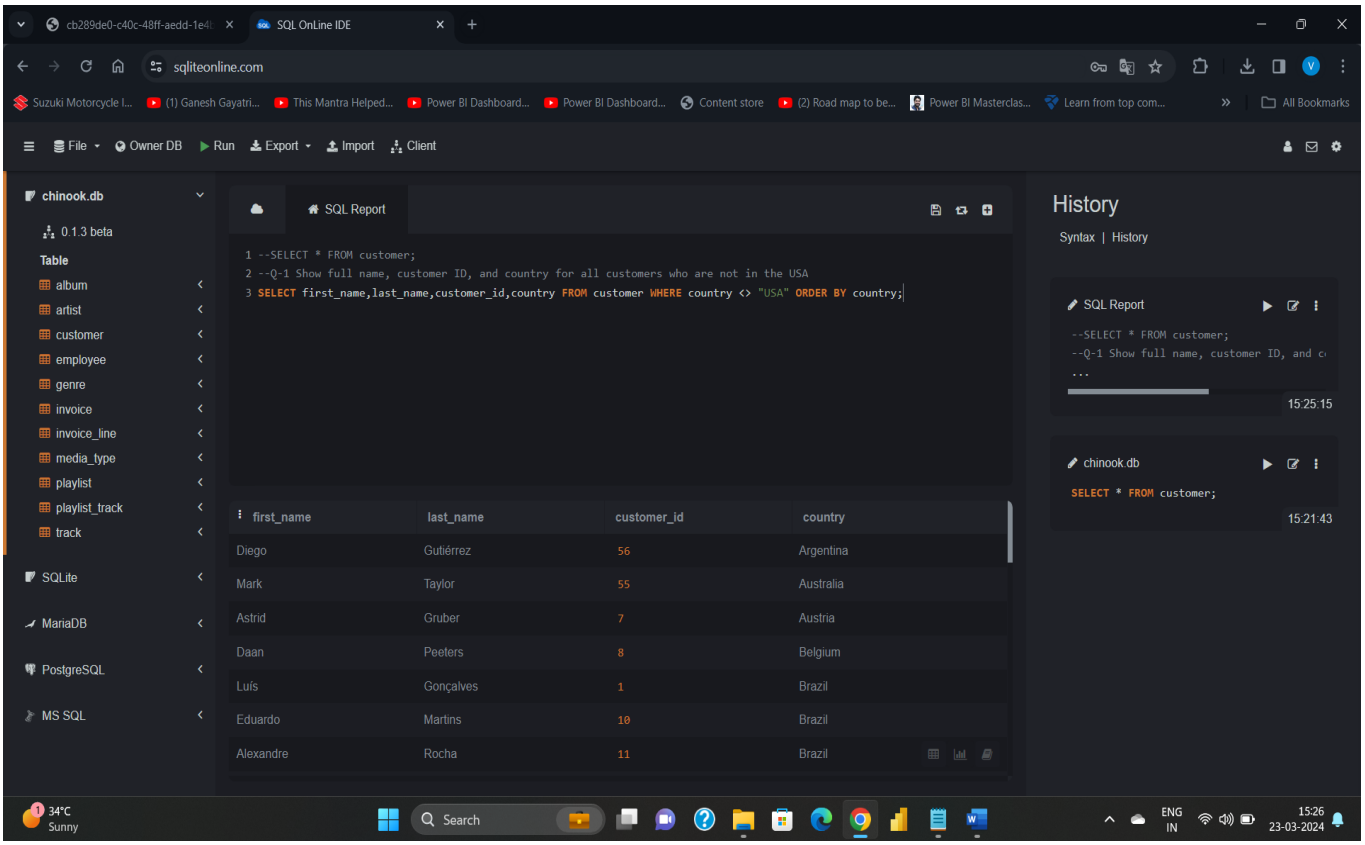
select count(*) as Players,club,joined from Players_Datasets group by joined order by Players desc;



Dataset: Digital media store's artists, albums, media tracks, invoices, and Customers

Q-1 Show full name, customer ID, and country for all customers who are not in the USA.

```
SELECT first_name,last_name,customer_id,country FROM customer WHERE country <> 'USA'
 ORDER BY country;
```



Q-2 Show Only customer From India.

```
SELECT first_name,last_name,customer_id,country from customer WHERE country = "India";
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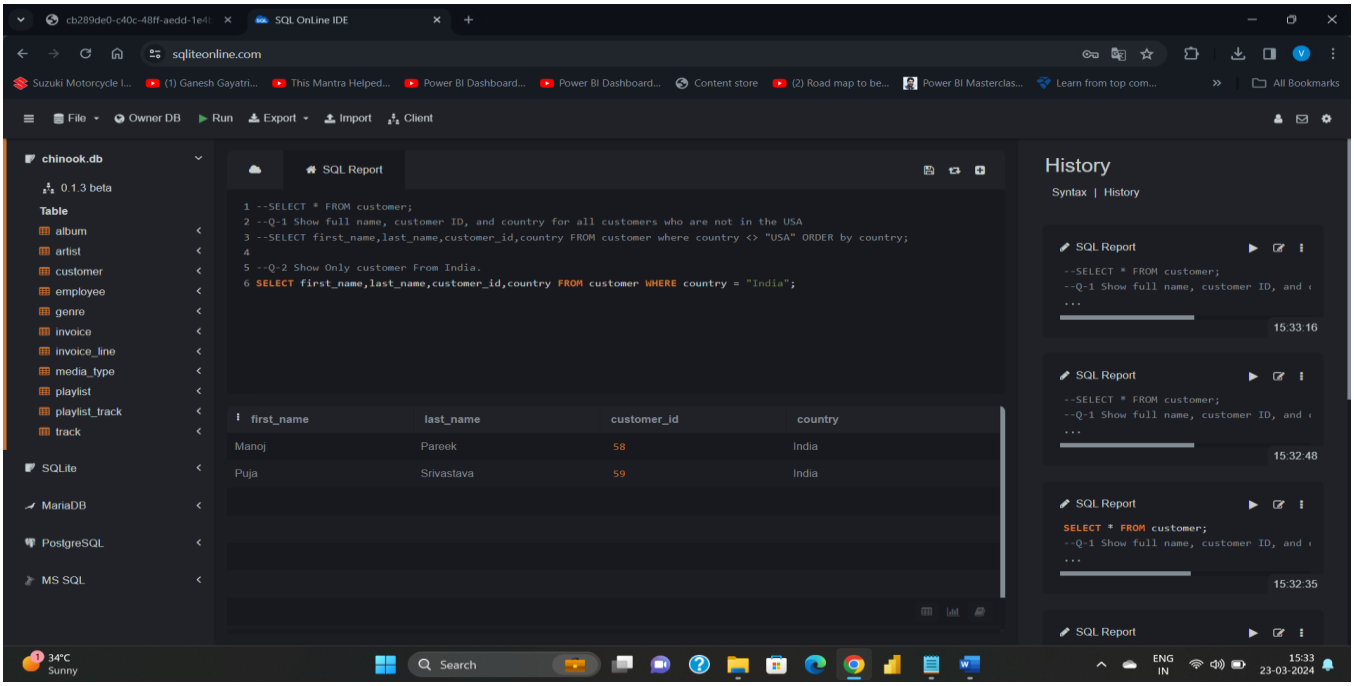
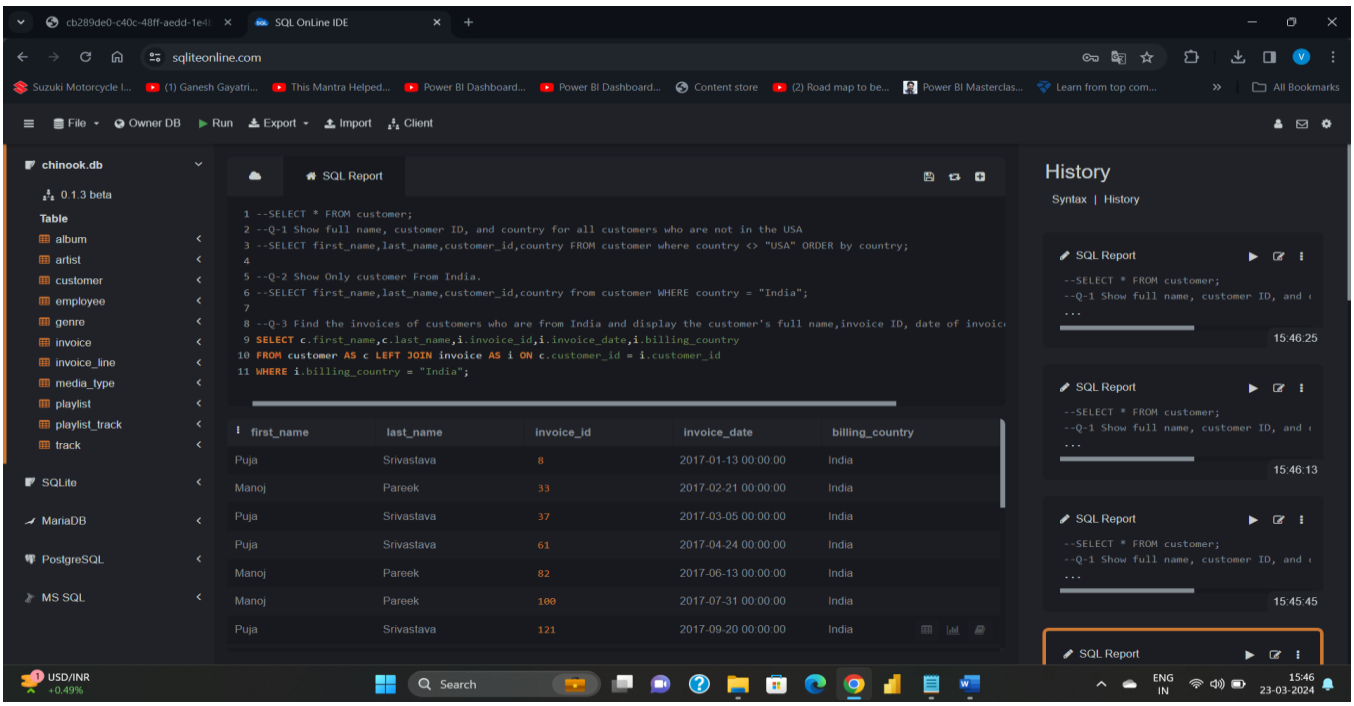


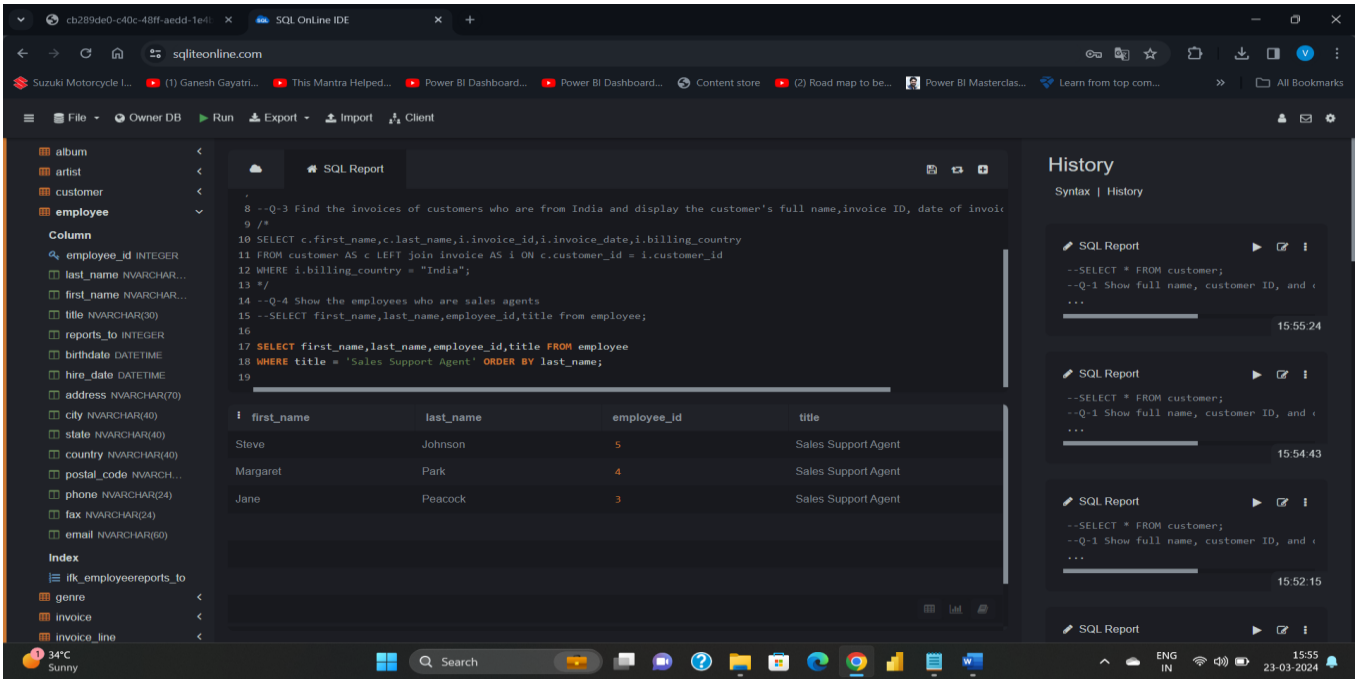
Q-3 Find the invoices of customers who are from India and display the customer's full name, invoice ID,date of invoice, and billing country.

SELECT c.first_name,c.last_name,i.invoice_id,i.invoice_date,i.billing_country FROM customer AS c LEFT join invoice AS i ON c.customer_id = i.customer_id WHERE i.billing_country = "India";



Q-4) Show the employees who are sales agents.

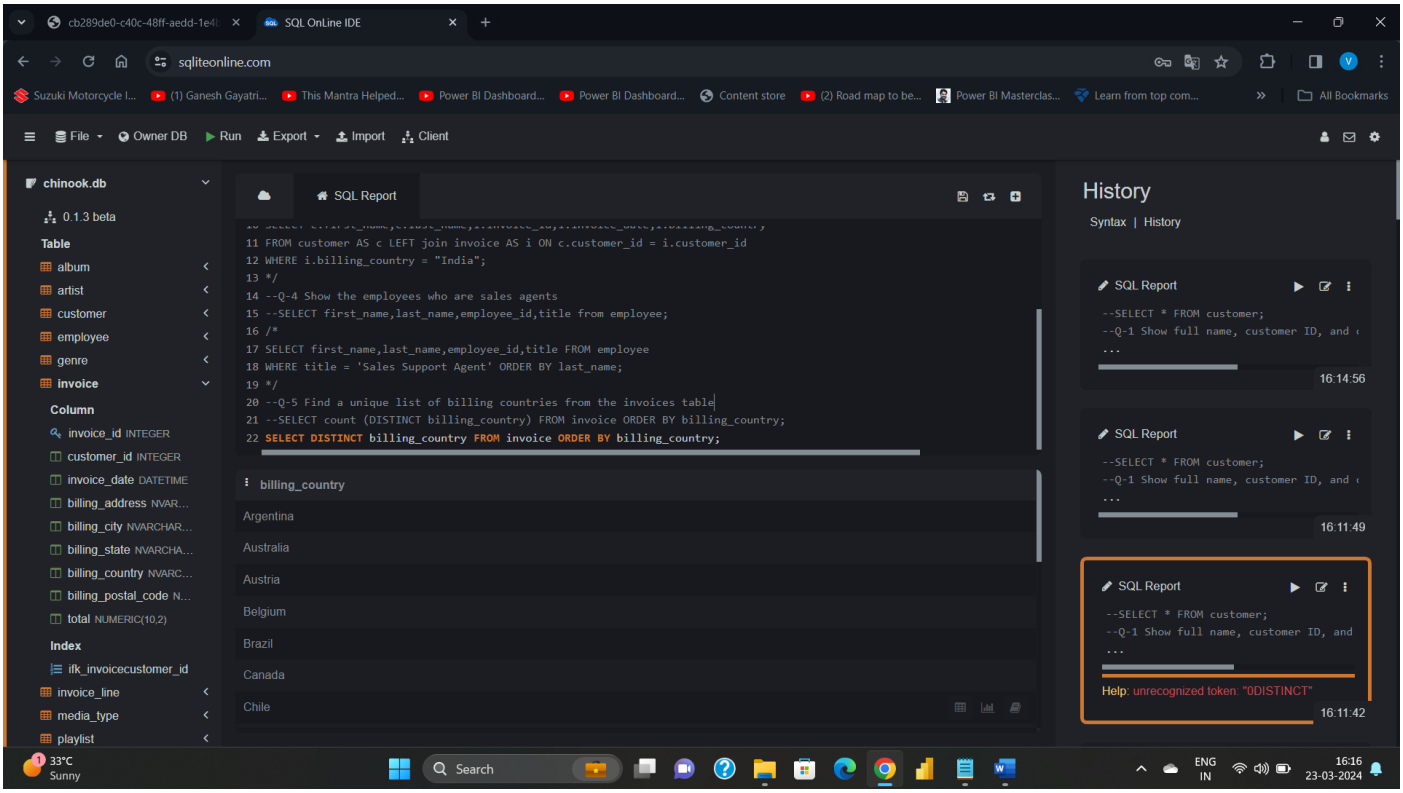
SELECT first_name,last_name,employee_id,title FROM employee WHERE title = 'Sales Support Agent' ORDER BY last_name;



Q-5 Find a unique list of billing countries from the invoices table

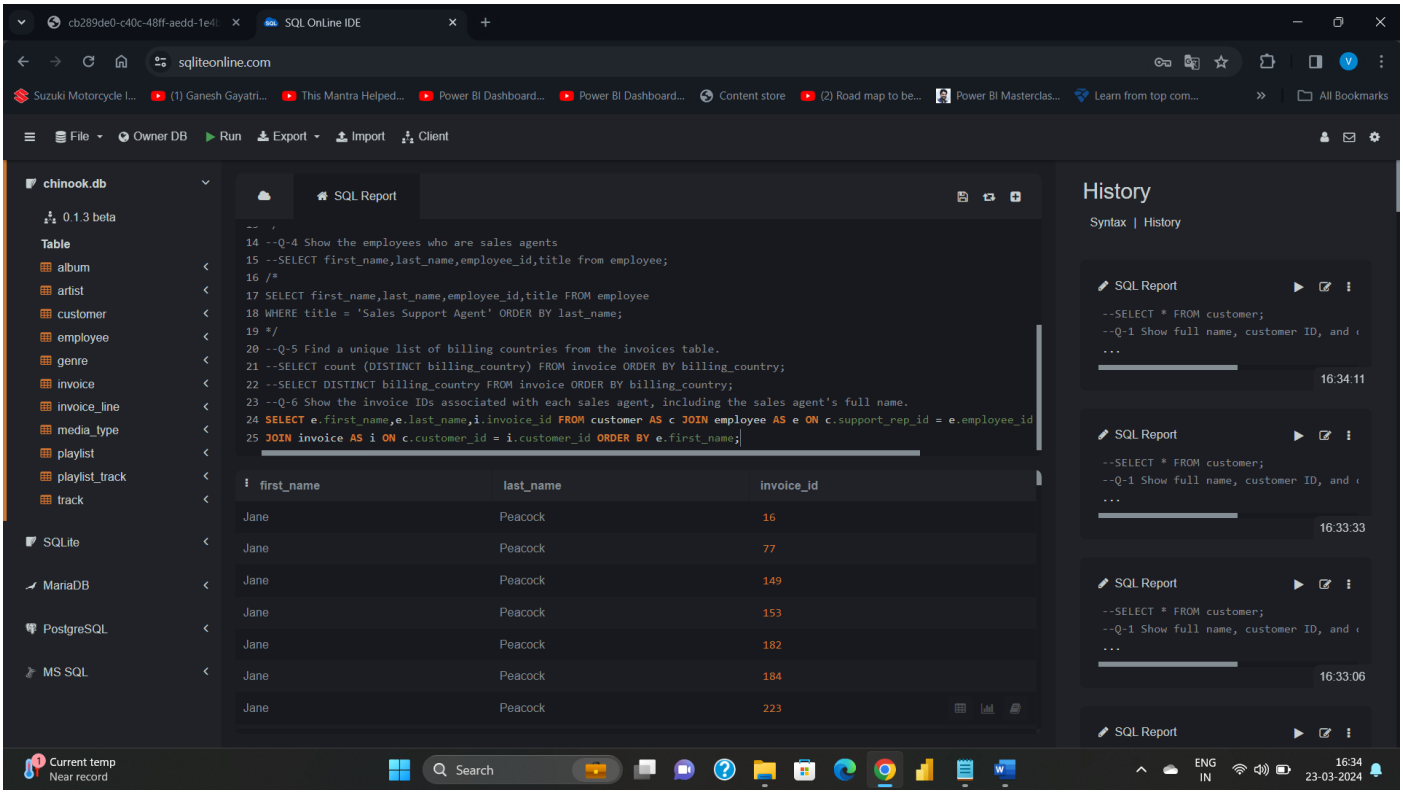
SELECT count (DISTINCT billing_country) FROM invoice ORDER BY billing_country;); (24)

SELECT DISTINCT billing_country FROM invoice ORDER BY billing_country;



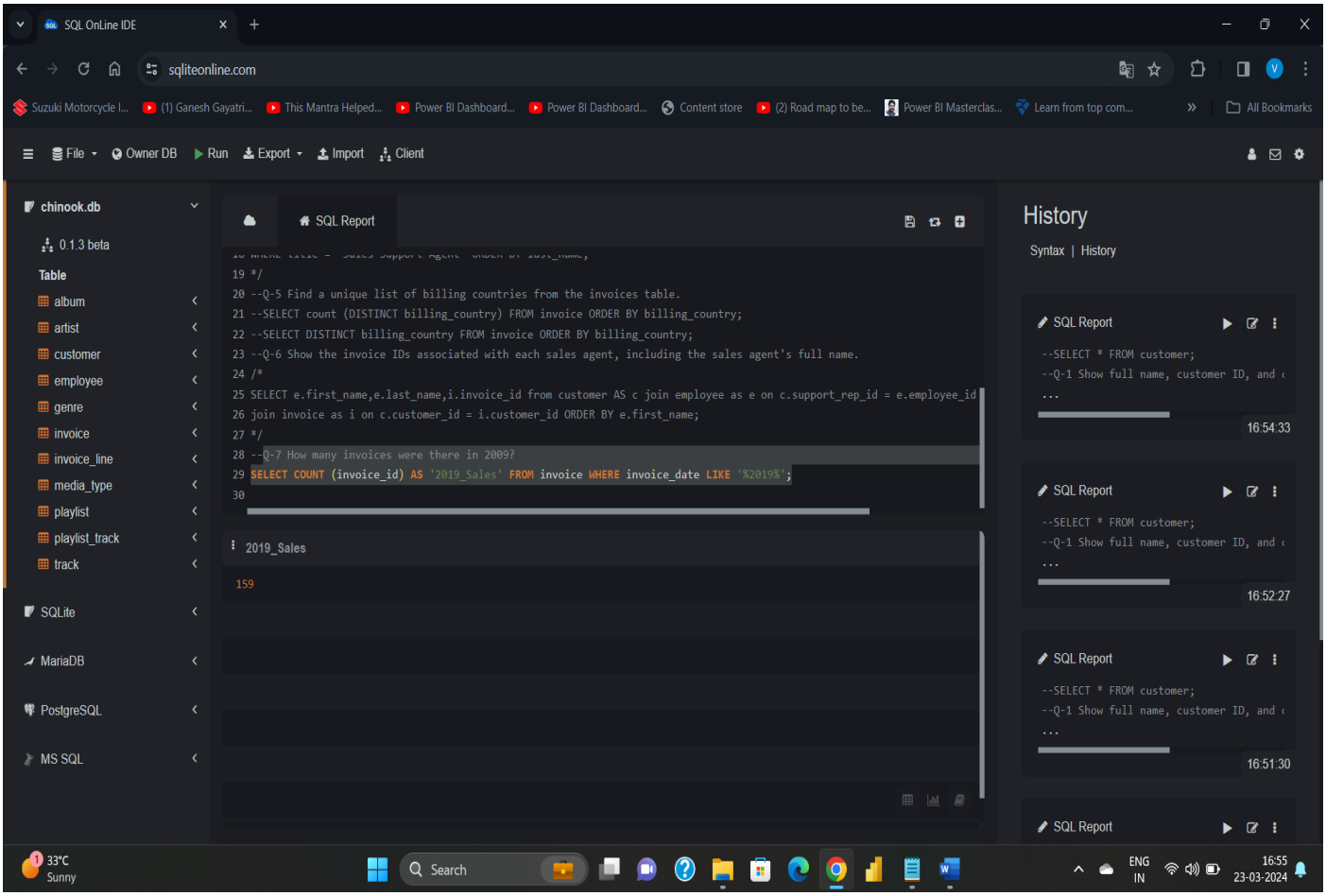
Q-6 Show the invoice IDs associated with each sales agent, including the sales agent's full name.

SELECT e.first_name,e.last_name,i.invoice_id from customer AS c join employee as e on c.support_rep_id = e.employee_id join invoice as i on c.customer_id = i.customer_id ORDER BY e.first_name;



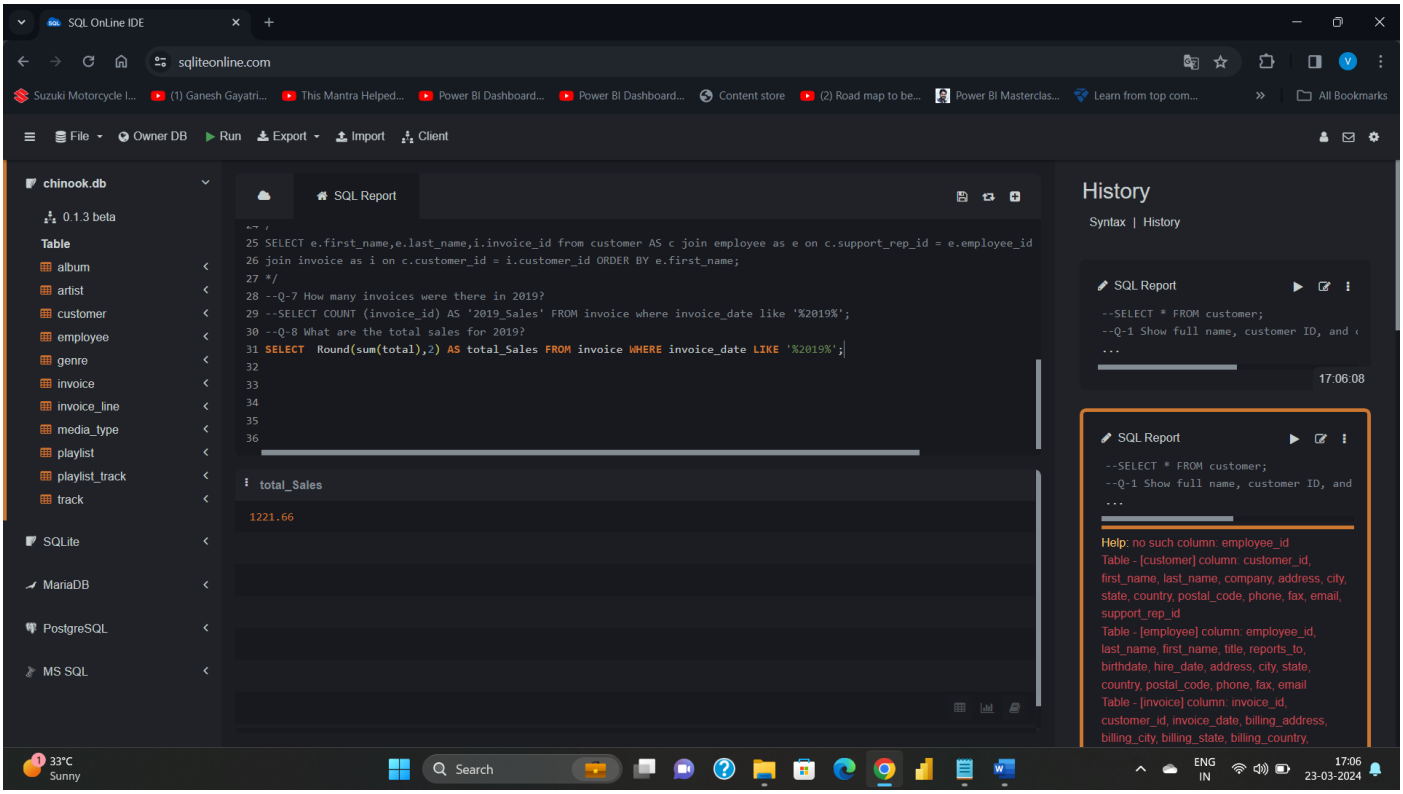
Q-7 How many invoices were there in 2019?

SELECT COUNT (invoice_id) AS '2019_Sales' FROM invoice where invoice_date like '%2019%';



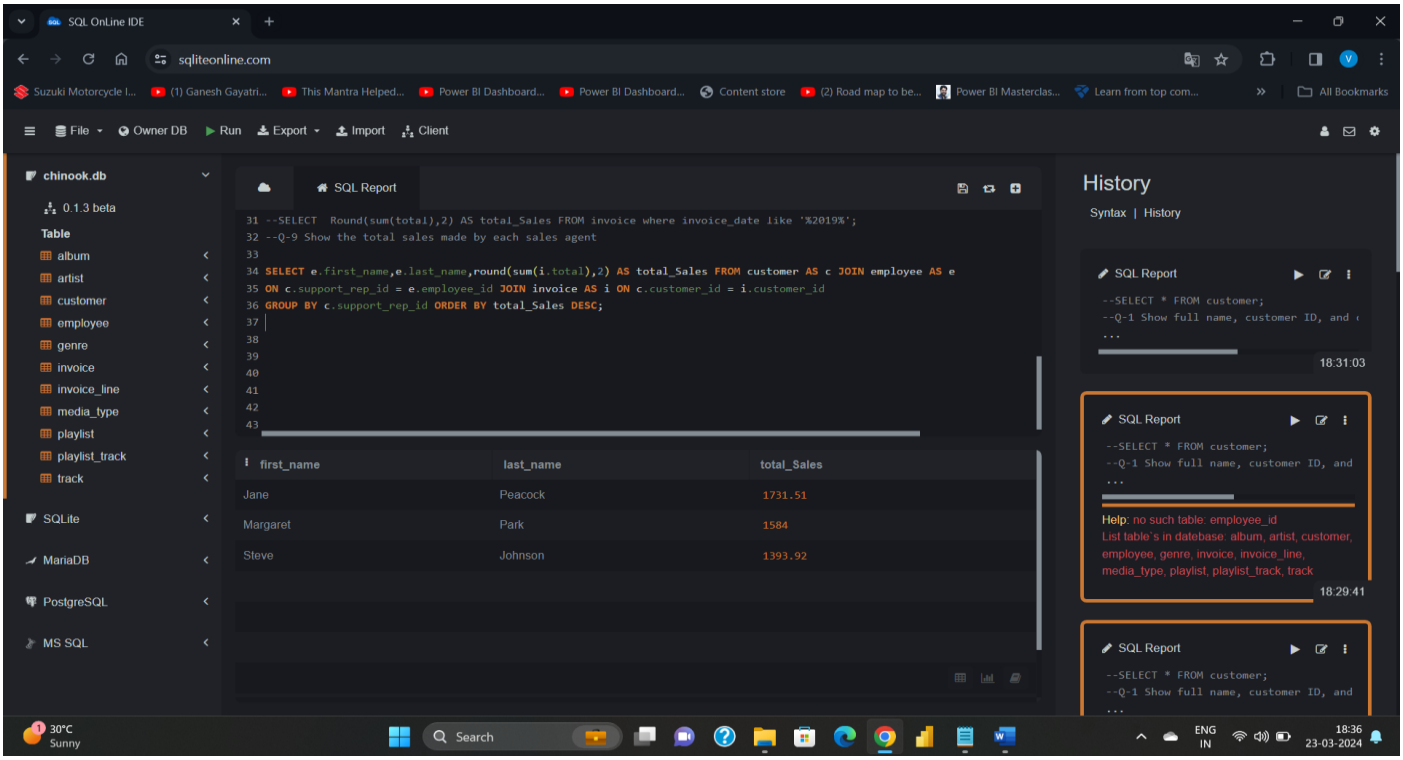
Q-8 What are the total sales for 2019?

SELECT Round(sum(total),2) AS total_Sales FROM invoice where invoice_date like '%2019%';



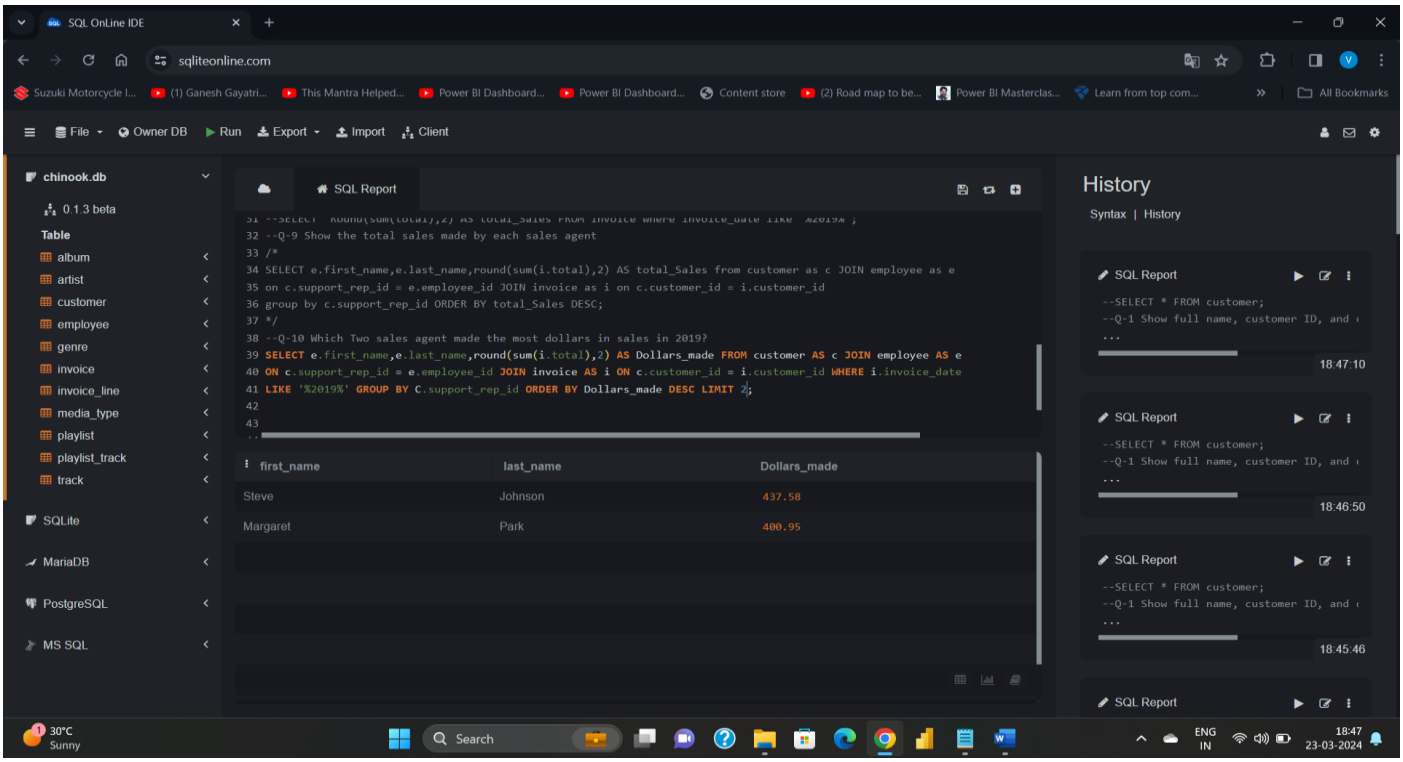
Q-9 Show the total sales made by each sales agent.

SELECT e.first_name,e.last_name,round(sum(i.total),2) AS total_Sales from customer as c JOIN employee as e on c.support_rep_id = e.employee_id JOIN invoice as i on c.customer_id = i.customer_id group by c.support_rep_id ORDER BY total_Sales DESC;



Q- 10 Which Two sales agent made the most dollars in sales in 2019?

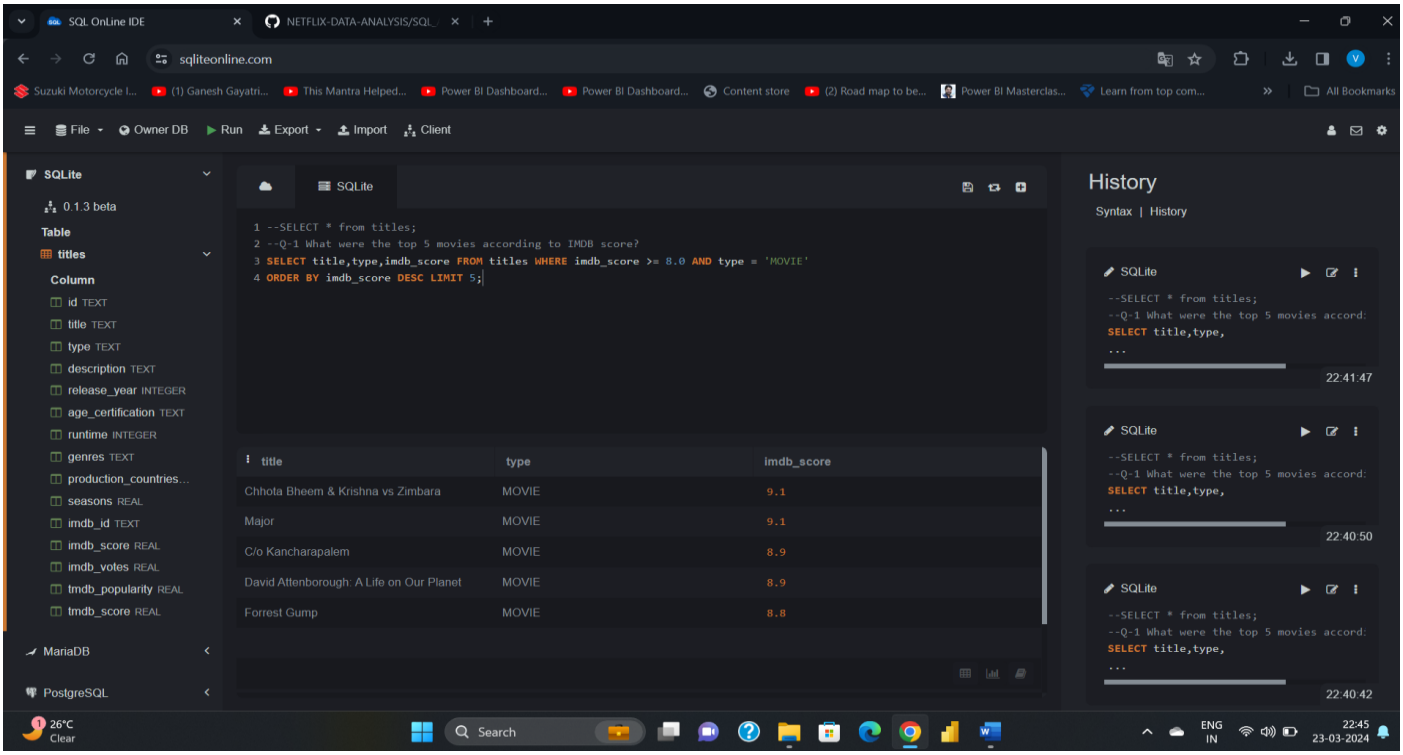
SELECT e.first_name,e.last_name,round(sum(i.total),2) as Dollars_made from customer as c JOIN employee as e on c.support_rep_id = e.employee_id JOIN invoice as i on c.customer_id = i.customer_id WHERE i.invoice_date like '%2019%' GROUP BY C.support_rep_id ORDER BY Dollars_made DESC LIMIT 2;



Dataset: Netflix-Data

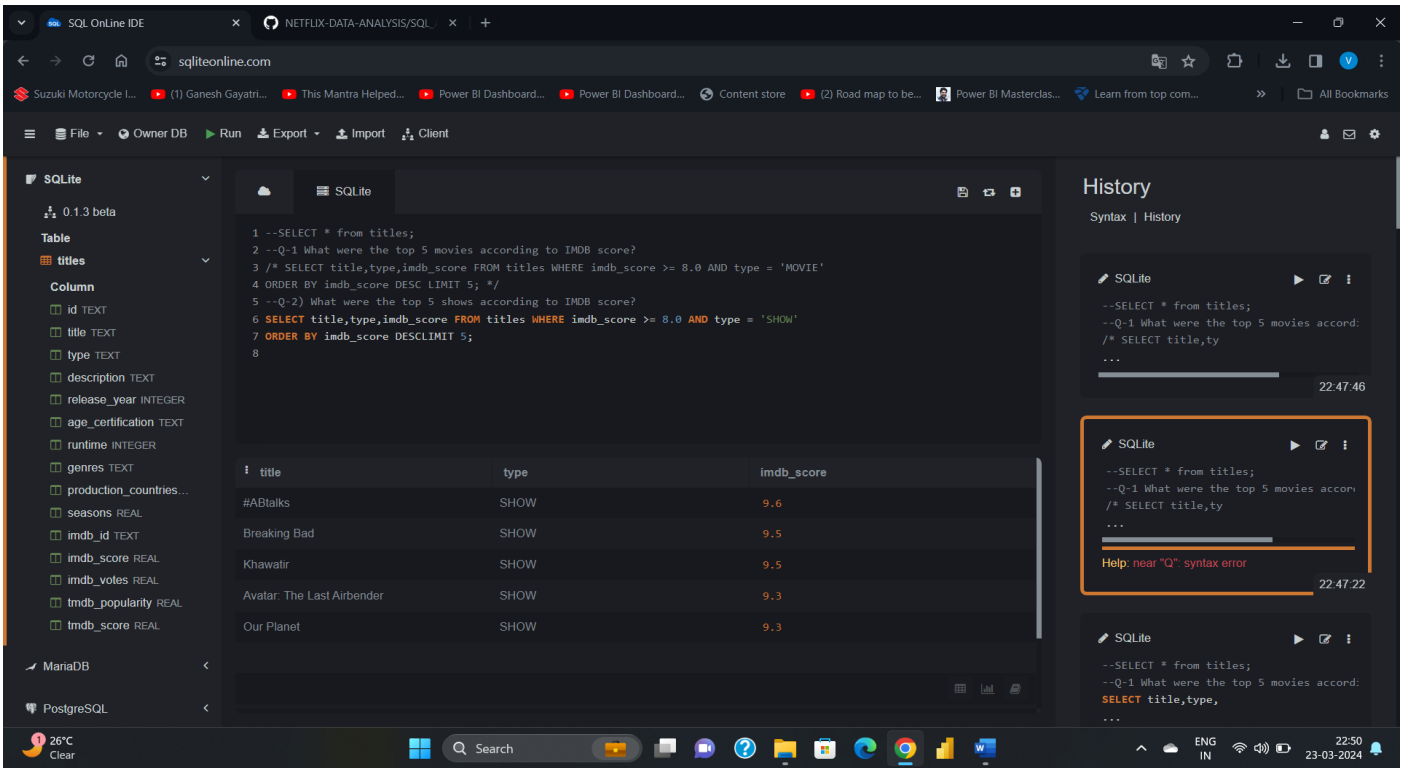
Q-1 What were the top 5 movies according to IMDB score?

SELECT title,type,imdb_score FROM titles WHERE imdb_score >= 8.0 AND type = 'MOVIE'
ORDER BY imdb_score DESC LIMIT 5;



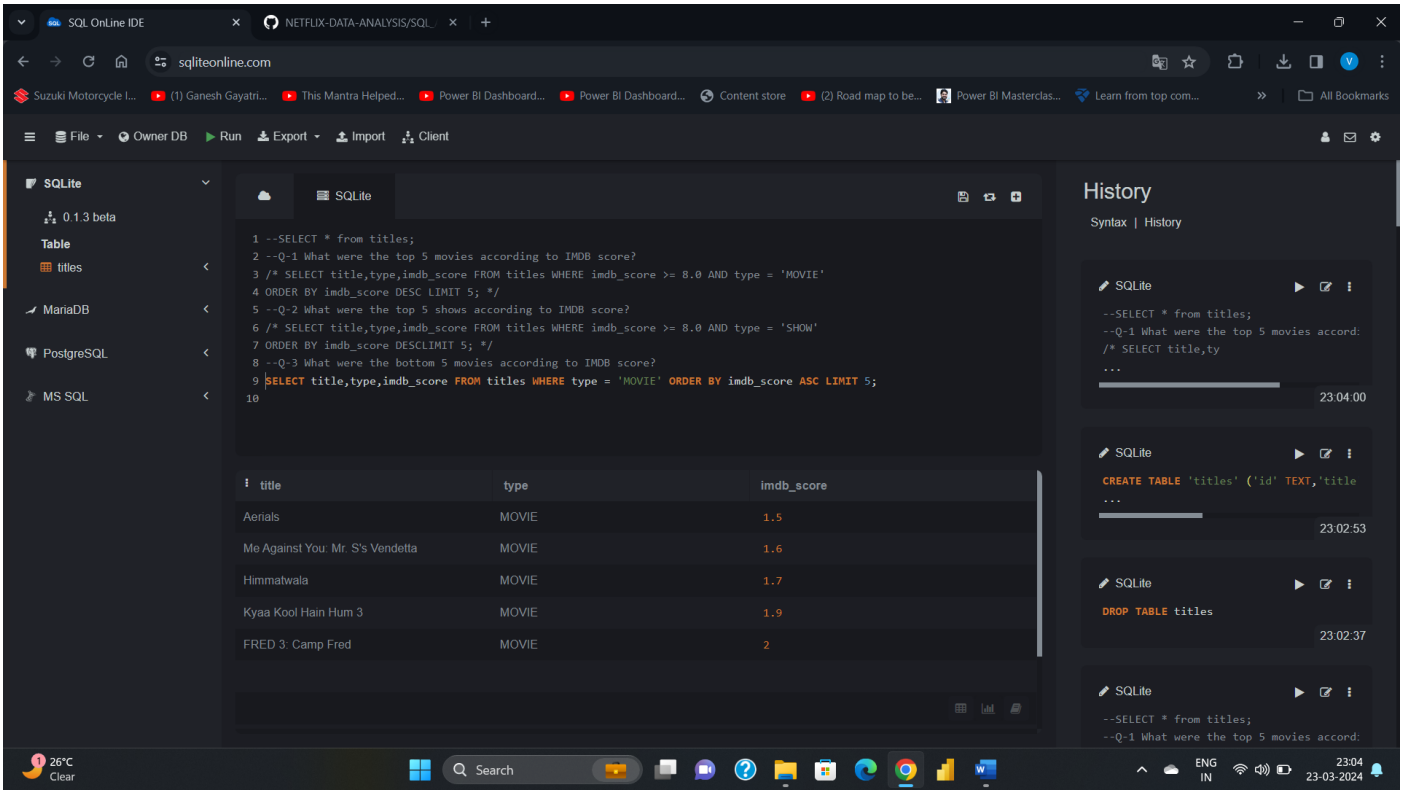
Q-2) What were the top 5 shows according to IMDB score?

SELECT title,type,imdb_score FROM titles WHERE imdb_score >= 8.0 AND type = 'SHOW'
ORDER BY imdb_score DESC LIMIT 5;



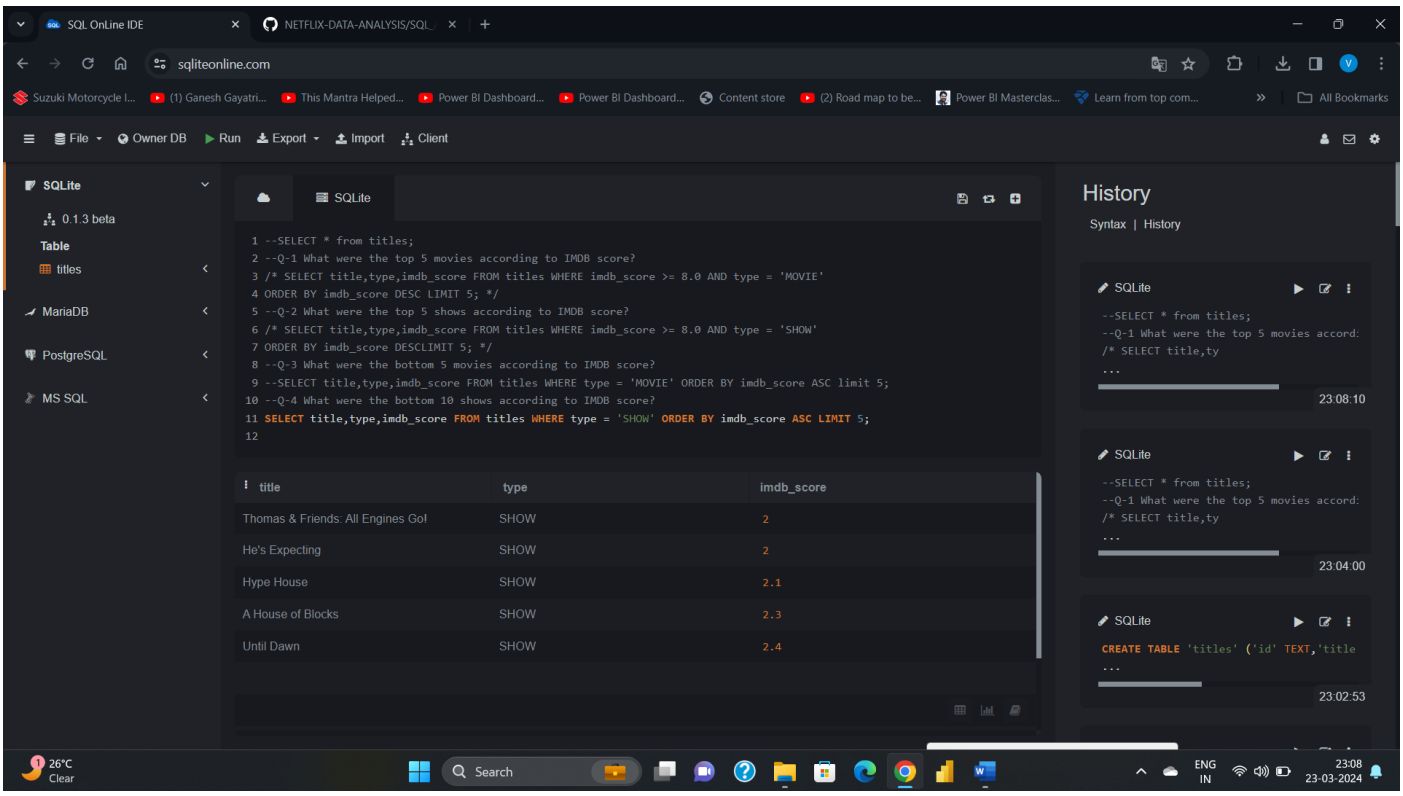
Q-3 What were the bottom 5 movies according to IMDB score?

SELECT title,type,imdb_score FROM titles WHERE type = 'MOVIE' ORDER BY imdb_score ASC limit 5;



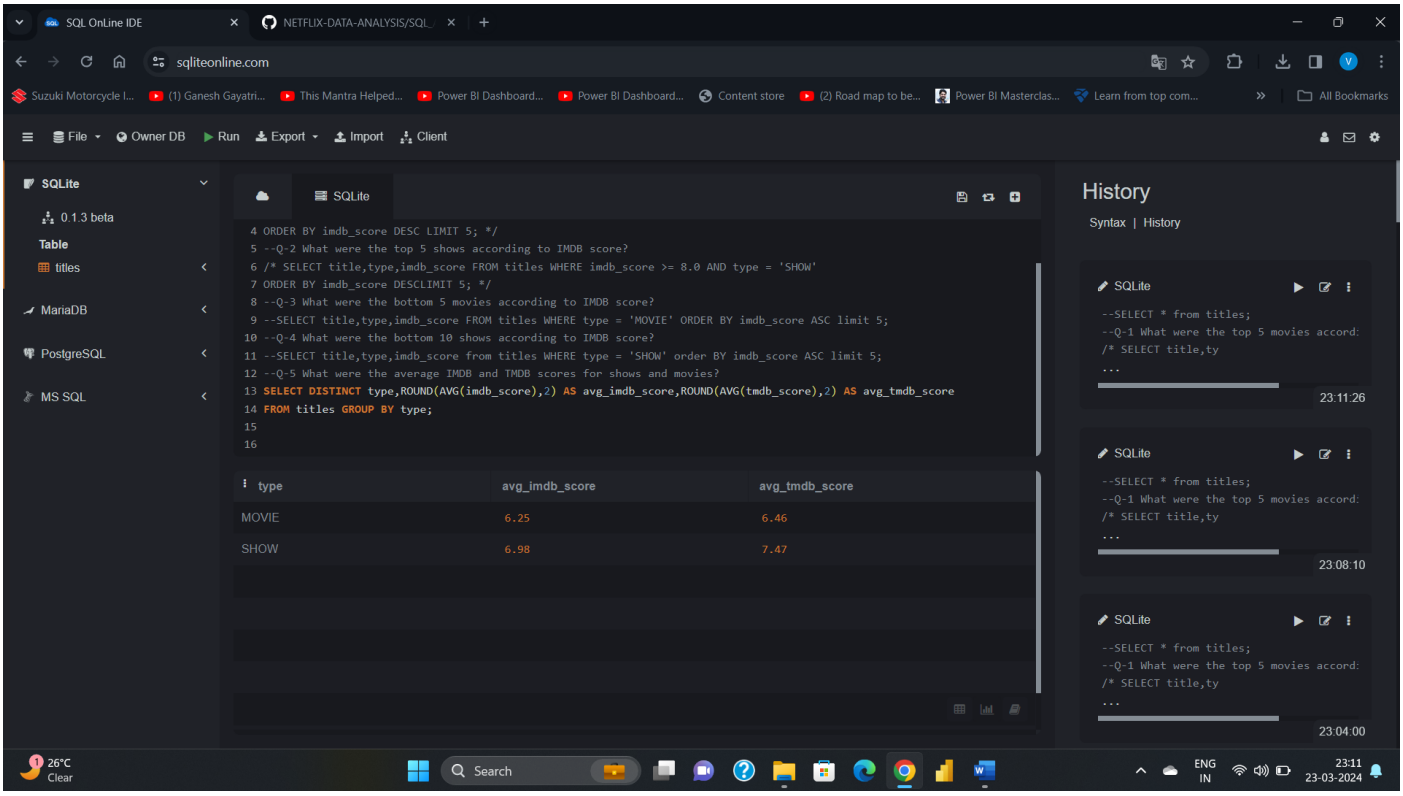
Q-4 What were the bottom 10 shows according to IMDB score?

SELECT title,type,imdb_score from titles WHERE type = 'SHOW' order BY imdb_score ASC limit 5;



Q-5 What were the average IMDB and TMDB scores for shows and movies?

SELECT DISTINCT type,ROUND(AVG(imdb_score),2) AS avg_imdb_score ,ROUND (AVG(tmdb_score),2) as avg_tmdb_score FROM titles GROUP BY type;



Q-6 What are the top 3 genres?

SELECT genres,COUNT(*) AS total_count FROM titles WHERE type = 'MOVIE' OR type = 'SHOW' GROUP BY genres ORDER BY total_count DESC Limit 3;