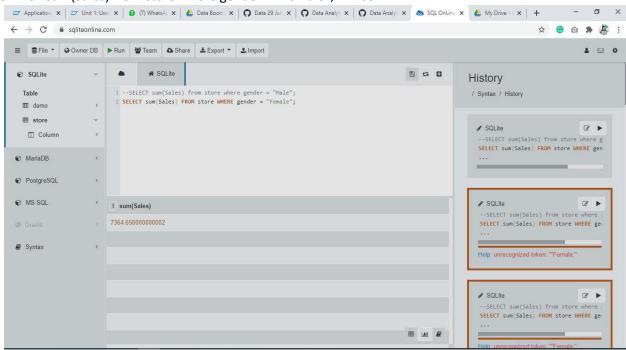
Paruvada sadwini Kumari

Database - Pelican Store

Q1. Which gender gives the maximum sales?

SELECT sum(Sales) from store where gender = "Male"; - > 384

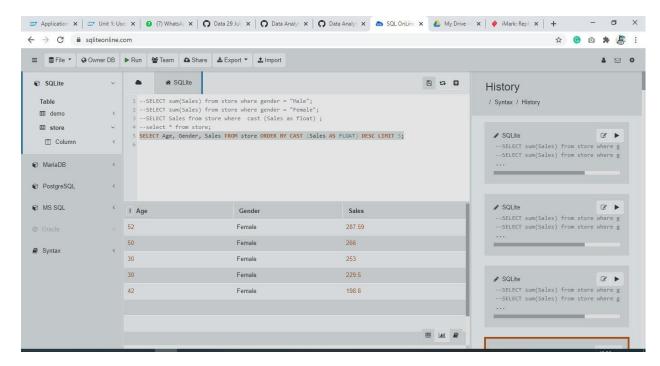
SELECT sum(Sales) from store where gender = "Female"; -> 7854



Q2. Which age group and gender gives the maximum sales?

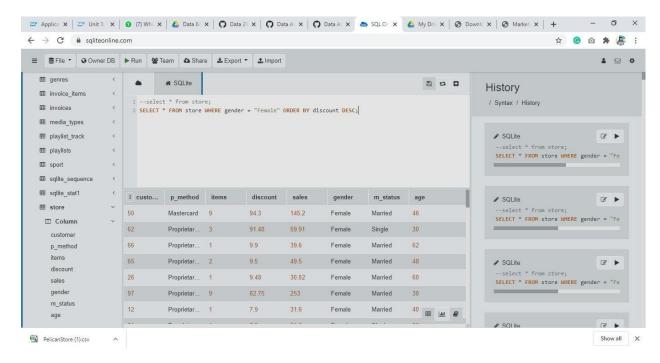
- Females and 30-50 age group gives the maximum sales.

Select Age, Gender, Sales from store order by cast (Sales as float) desc limit 5;



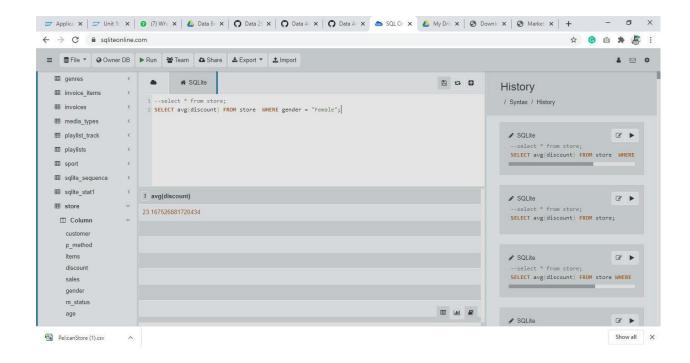
Q3. What is the highest discount given to females? select * from

store where gender = "Female" order by discount desc;



What is the average discount given to females in the store? select

avg(discount) from store where gender = "Female";



Database - Baseball_ball data.csv

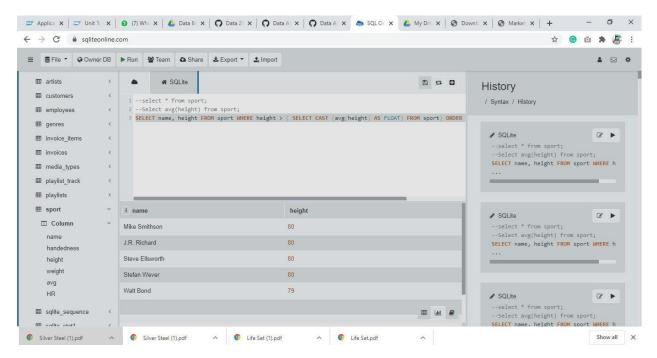
Q4. Who are the Top 5 players having height more than average?

Average height - 72.73

Code:-

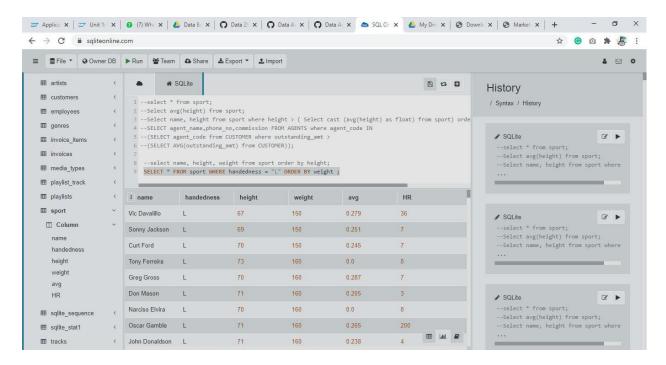
- -select * from sport;
- -Select avg(height) from sport;

Select name, height from sport where height > (Select cast (avg(height) as float) from sport) order by height desc limit 5;



Q5. Botton 2 players having least weight and must be left handed? select

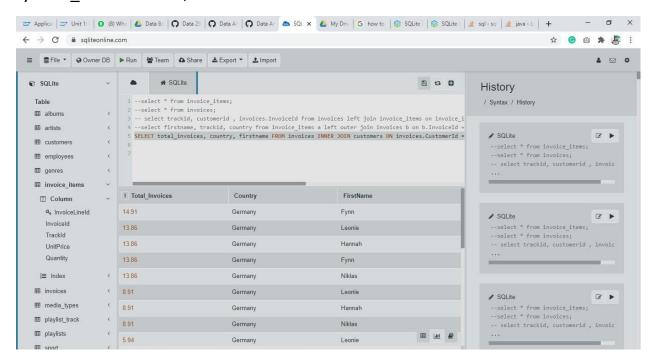
* from sport where handedness = "L" order by weight;



Database - Chinook.db

Q6. Top 2 invoices of Germany customers with names and Do the sum of the invoices of Germany customers.

- select total_invoices, country, firstname from invoices inner join customers on invoices.CustomerId = customers.customerid where country = "Germany" order by total invoices DESC;



Q7. Which artist gives the maximum track? (Tables used – albums, artists and tracks)

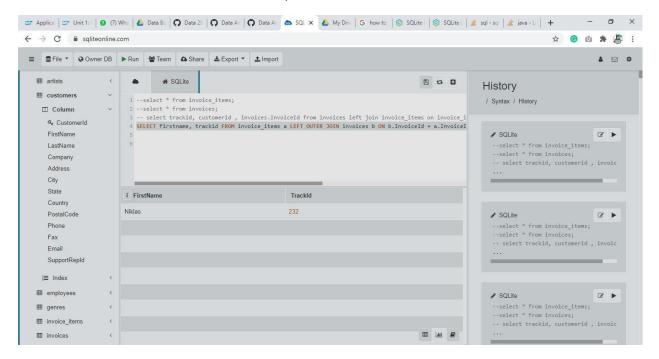
select a.ArtistId, b.AlbumId, c.TrackId, c.Name, a.Name,c.Composer from artists a left outer join albums b on b.ArtistId = a.ArtistId left outer join tracks c on c.AlbumId = b.AlbumId;

Further i need to discuss with vardaan..... (have a doubt in this question) Q8.

Name the customer have the track id 232?

- select trackid, customerid, invoices.InvoiceId from invoices left join invoice items on invoice items.InvoiceId = invoices.InvoiceId;

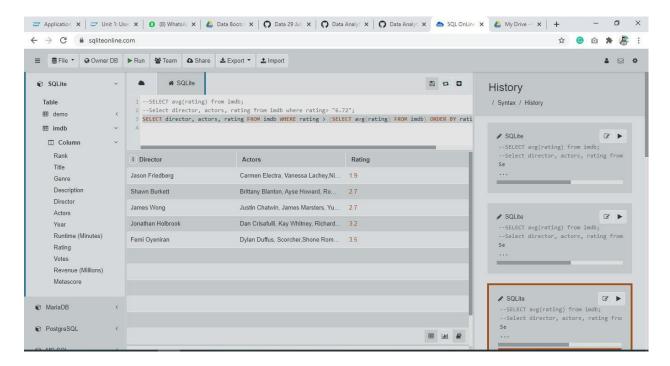
Final code - select firstname, trackid from invoice_items a left outer join invoices b on b.InvoiceId = a.InvoiceId left OUTER JOIN customers c on c.CustomerId = b.CustomerId where trackid = "232";



Dataset - imdb

Q9 -> top 5 directors having rating more then average?

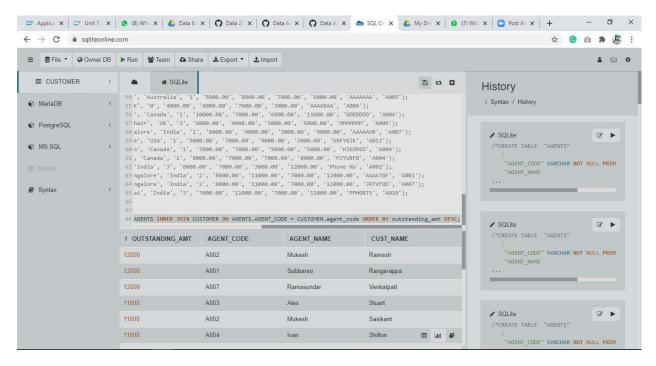
Select director, actors, rating from imdb where rating > (SELECT avg(rating) from imdb) order by rating limit "5";



Database - Create two tables to practice sub queries (agents and customer)

Q10. Name the Agents whose customers have the maximum outstanding amount.

Code - select outstanding_amt,CUSTOMER.agent_code,agent_name,cust_name
from AGENTS inner join CUSTOMER on AGENTS.AGENT_CODE =
CUSTOMER.agent_code order by outstanding_amt desc;



Q11. Name all the agents whose customers have less than average outstanding amount.

select outstanding_amt,CUSTOMER.agent_code,agent_name,cust_name from AGENTS inner join CUSTOMER on AGENTS.AGENT_CODE = CUSTOMER.agent_code where outstanding_amt < (select avg(outstanding_amt) from CUSTOMER);

