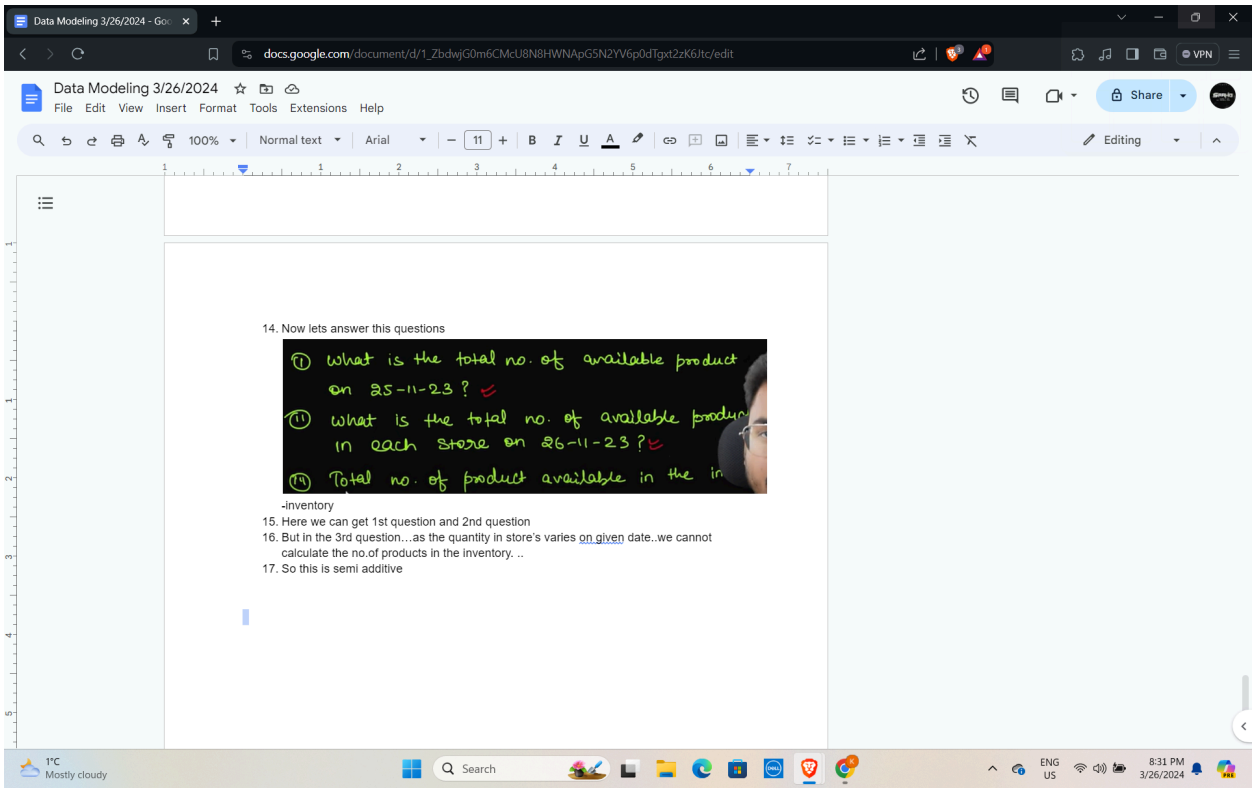
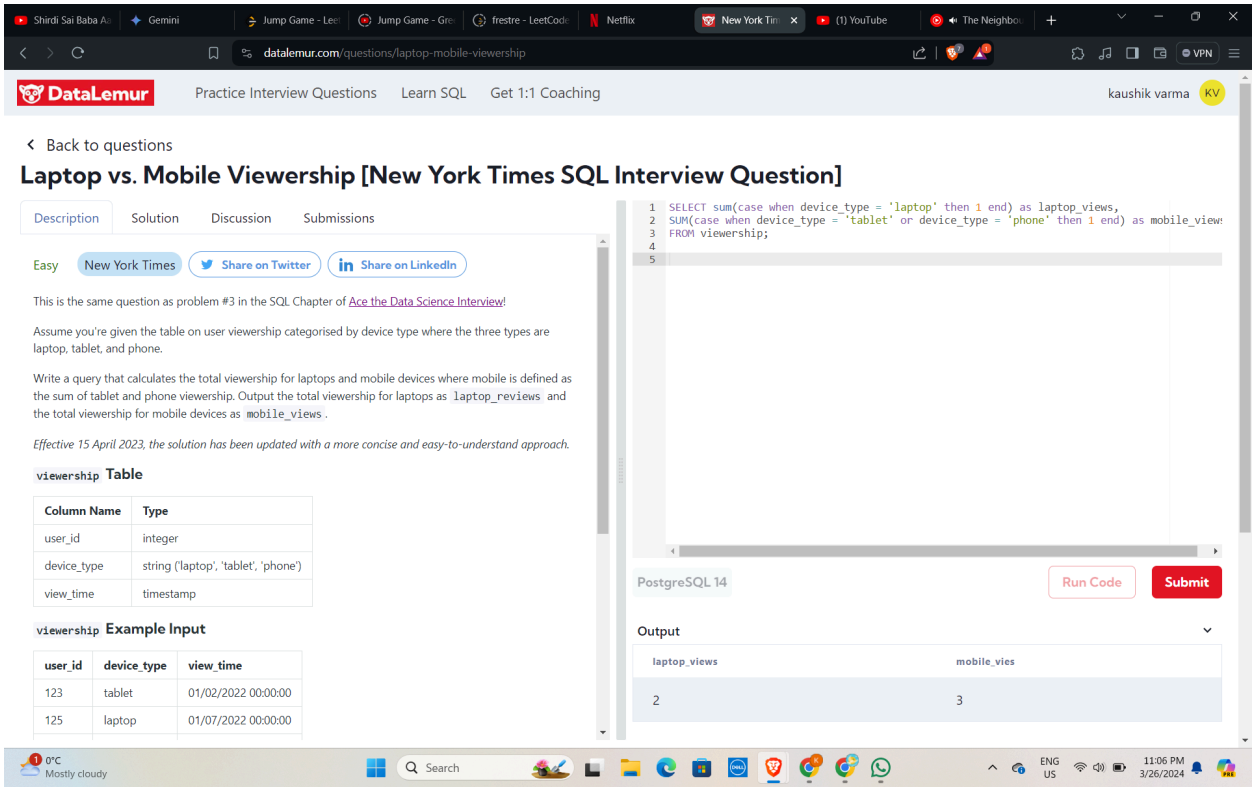
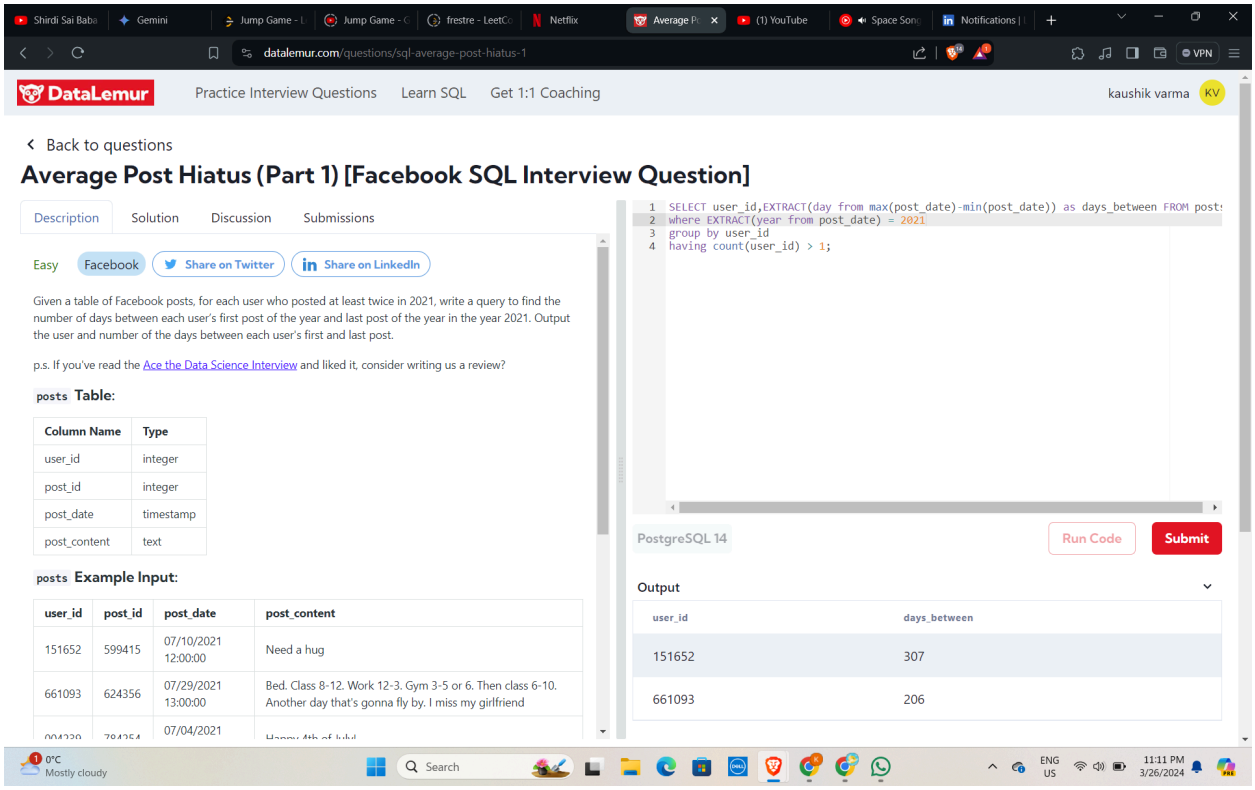
Day50 - March 26th 2024

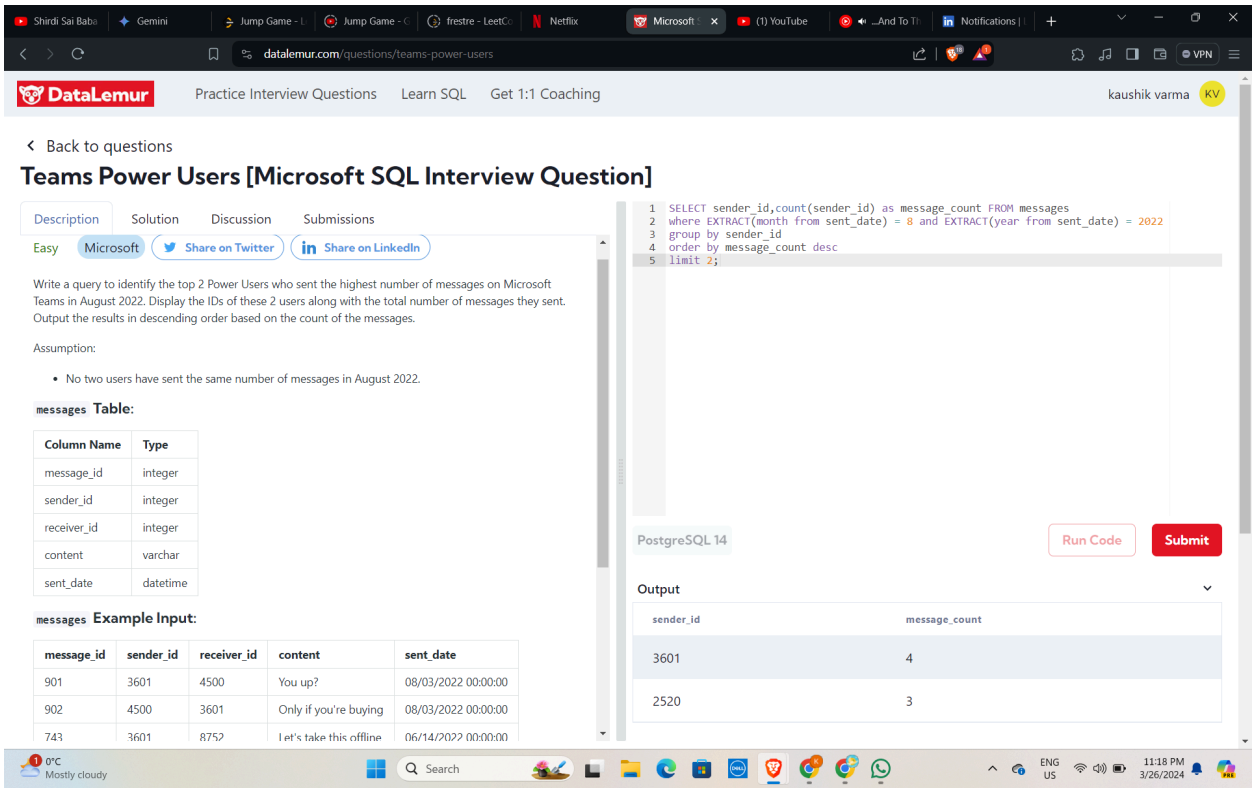
1. Started my day as usual
2. Solved one leetcode medium problem
3. Practicing data modeling from manish kumar
   Find more about the doc : Data Modeling 3/26/2024
4. 

5. Spent most of the time applying for my STEM OPT

6. ENded my day by solving two complex SQL questions from data lemur




datalemur.com/questions/sql-average-post-hiatus-1
DataLemur
Practice Interview Questions
Learn SQL
Get 1:1 Coaching
kaushik varma
Back to questions
Average Post Hiatus (Part 1) [Facebook SQL Interview Question]
Description
Solution
Discussion
Submissions
Easy
Facebook
Share on Twitter
Share on LinkedIn
Given a table of Facebook posts, for each user who posted at least twice in 2021, write a query to find the number of days between each user's first post of the year and last post of the year in the year 2021. Output the user and number of the days between each user's first and last post.
p.s. If you've read the Ace the Data Science Interview and liked it, consider writing us a review?
posts Table:
Column Name
Type
user_id
integer
post_id
integer
post_date
timestamp
post_content
text
posts Example Input:
user_id
post_id
post_date
post_content
151652
599415
07/10/2021 12:00:00
Need a hug
661093
624356
07/29/2021 13:00:00
Bed. Class 8-12. Work 12-3. Gym 3-5 or 6. Then class 6-10. Another day that's gonna fly by. I miss my girlfriend
07/04/2021
SELECT user_id,EXTRACT(day from max(post_date)-min(post_date)) as days_between FROM post
where EXTRACT(year from post_date) = 2021
group by user_id
having count(user_id) > 1;
PostgreSQL 14
Run Code
Submit
Output
user_id
days_between
151652
307
661093
206
0°C
Mostly cloudy
Search
ENG
US
11:11 PM
3/26/2024


datalemur.com/questions/teams-power-users
DataLemur
Practice Interview Questions
Learn SQL
Get 1:1 Coaching
kaushik varma
Back to questions
Teams Power Users [Microsoft SQL Interview Question]
Description
Solution
Discussion
Submissions
Easy
Microsoft
Share on Twitter
Share on LinkedIn
Write a query to identify the top 2 Power Users who sent the highest number of messages on Microsoft Teams in August 2022. Display the IDs of these 2 users along with the total number of messages they sent. Output the results in descending order based on the count of the messages.
Assumption:
No two users have sent the same number of messages in August 2022.
messages Table:
Column Name
Type
message_id
integer
sender_id
integer
receiver_id
integer
content
varchar
sent_date
datetime
messages Example Input:
message_id
sender_id
receiver_id
content
sent_date
901
3601
4500
You up?
08/03/2022 00:00:00
902
4500
3601
Only if you're buying
08/03/2022 00:00:00
743
3601
8752
Let's take this offline
06/14/2022 00:00:00
SELECT sender_id,count(sender_id) as message_count FROM messages
where EXTRACT(month from sent_date) = 8 and EXTRACT(year from sent_date) = 2022
group by sender_id
order by message_count desc
limit 2;
PostgreSQL 14
Run Code
Submit
Output
sender_id
message_count
3601
4
2520
3
0°C
Mostly cloudy
Search
ENG
US
11:18 PM
3/26/2024