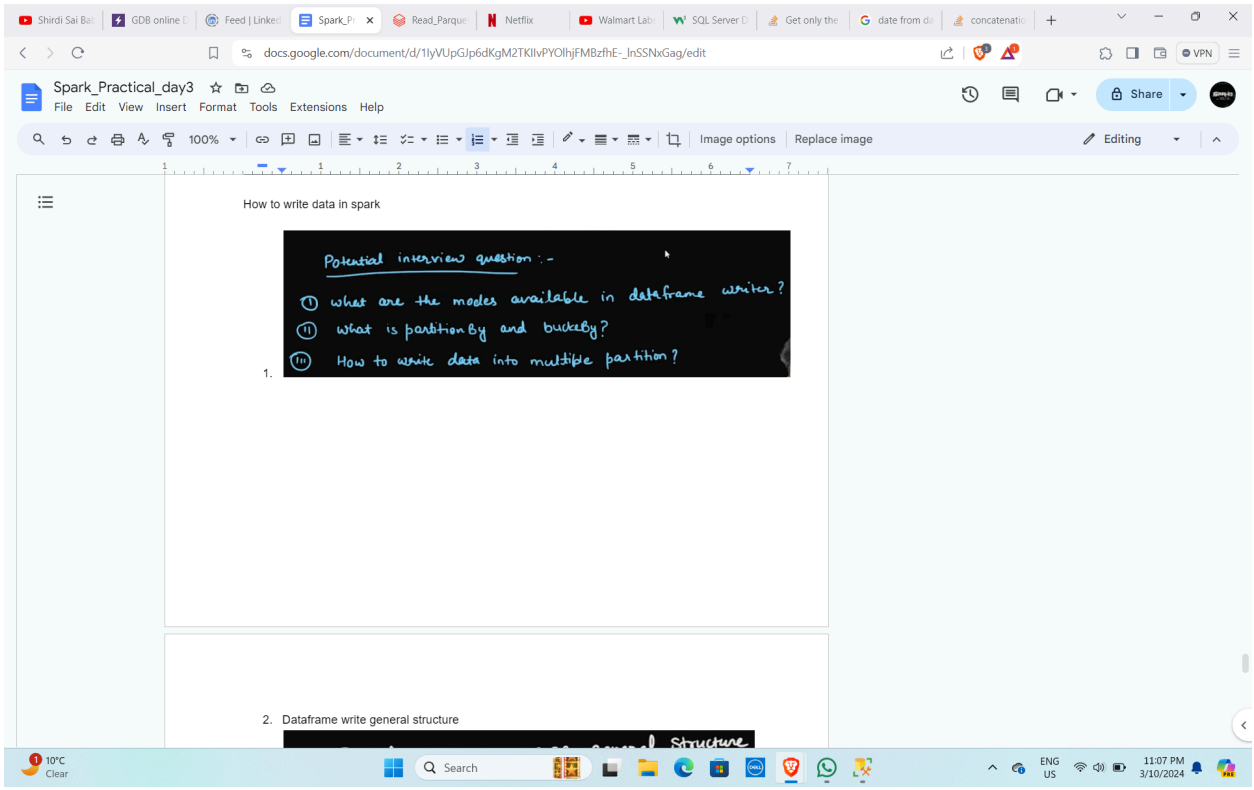
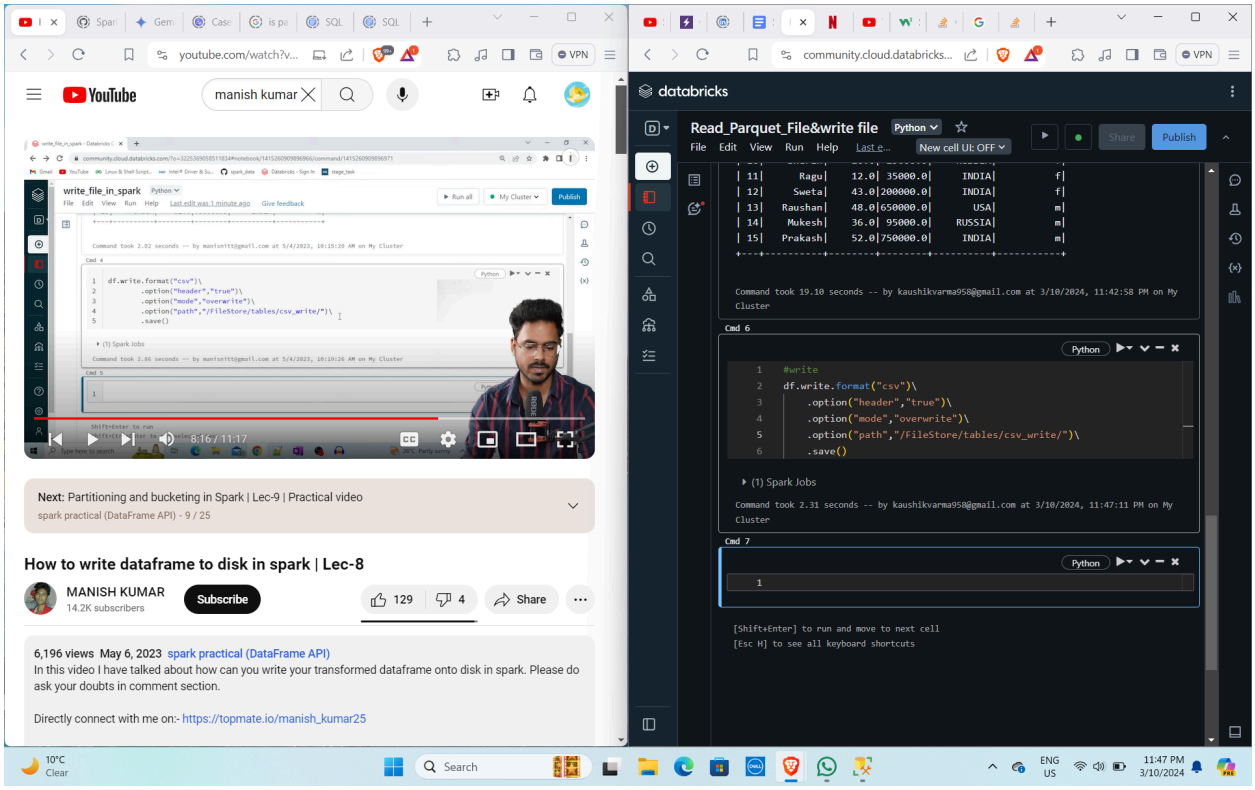
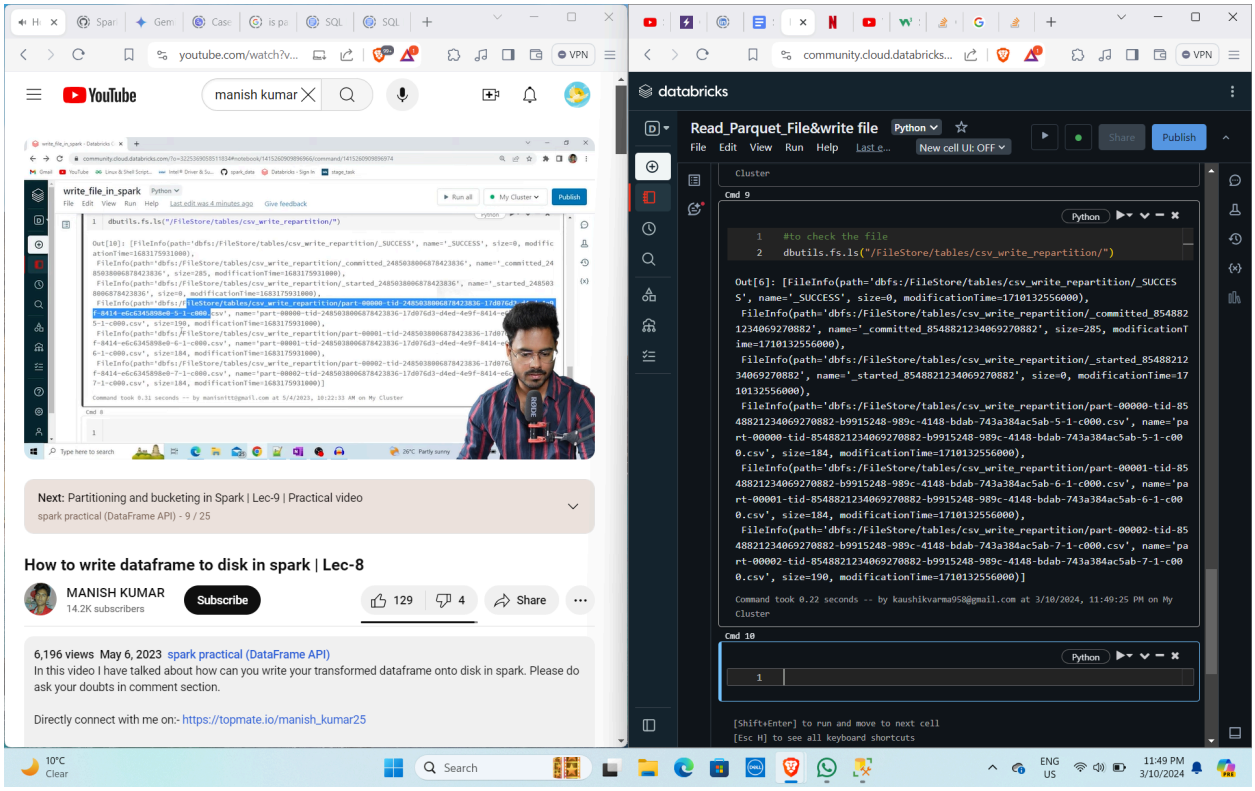
Day34 - March 10th 2024

1. Started my day same as yesterday
2. Cooked food and headed to library
3. Started solving leetcode problems will share my leetcode id on github for proof
4. Learning spark by practically implementing the code

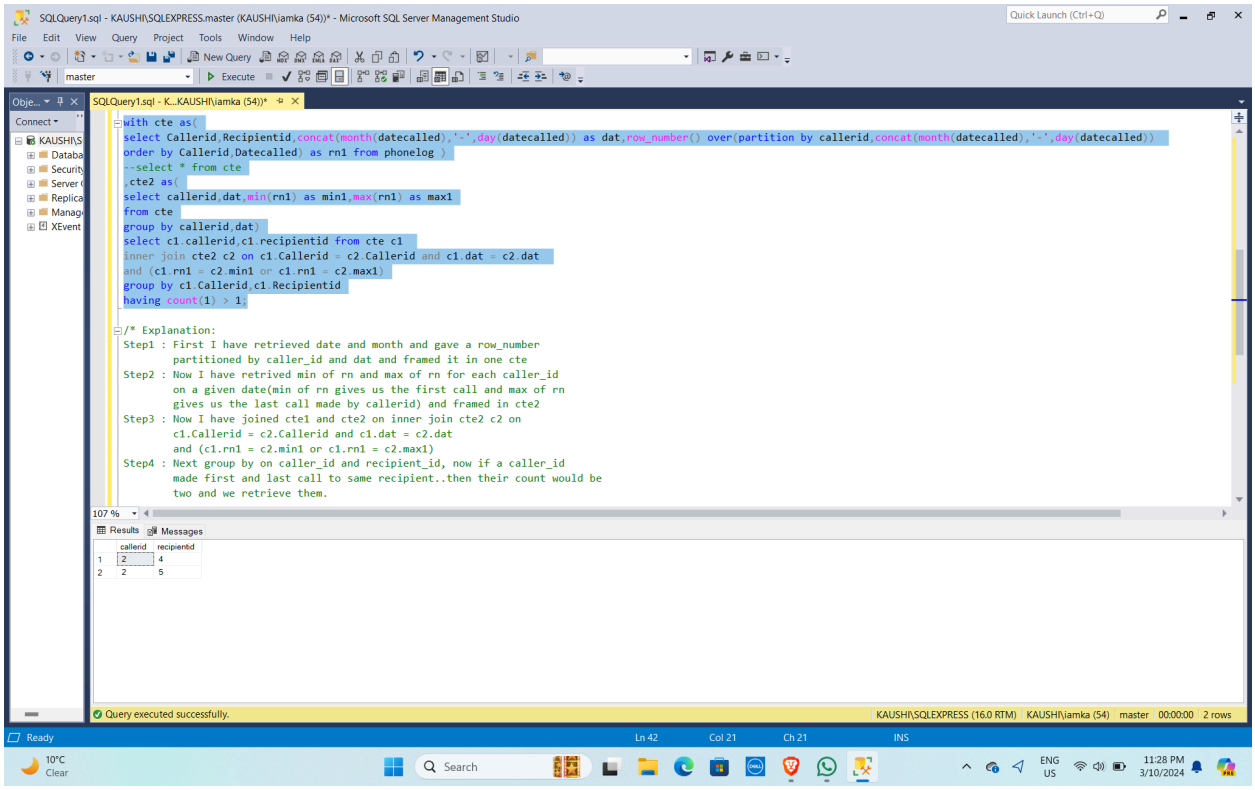






5. Ended my by solving a complex SQL question from Ankit's YT

6.


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (54))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (54))*
with cte as(
select Callerid,Recipientid,concat(month(datecalled),'-',day(datecalled)) as dat,row_number() over(partition by callerid,concat(month(datecalled),'-',day(datecalled))
order by Callerid,Datecalled) as rn1 from phonelog)
--select * from cte
,cte2 as(
select callerid,dat,min(rn1) as min1,max(rn1) as max1
from cte
group by callerid,dat)
select c1.callerid,c1.recipientid from cte c1
inner join cte2 c2 on c1.Callerid = c2.Callerid and c1.dat = c2.dat
and (c1.rn1 = c2.min1 or c1.rn1 = c2.max1)
group by c1.Callerid,c1.Recipientid
having count(1) > 1;
/* Explanation:
Step1 : First I have retrieved date and month and gave a row_number
partitioned by caller_id and dat and framed it in one cte
Step2 : Now I have retrived min of rn and max of rn for each caller_id
on a given date(min of rn gives us the first call and max of rn
gives us the last call made by callerid) and framed in cte2
Step3 : Now I have joined cte1 and cte2 on inner join cte2 c2 on
c1.Callerid = c2.Callerid and c1.dat = c2.dat
and (c1.rn1 = c2.min1 or c1.rn1 = c2.max1)
Step4 : Next group by on caller_id and recipient_id, now if a caller_id
made first and last call to same recipient..then their count would be
two and we retrieve them.
Results
Messages
callerid recipientid
1 2 4
2 2 5
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (54) master 00:00:00 2 rows
Ready
Ln 42 Col 21 Ch 21 INS
10°C Clear
Search
ENG US
11:28 PM 3/10/2024