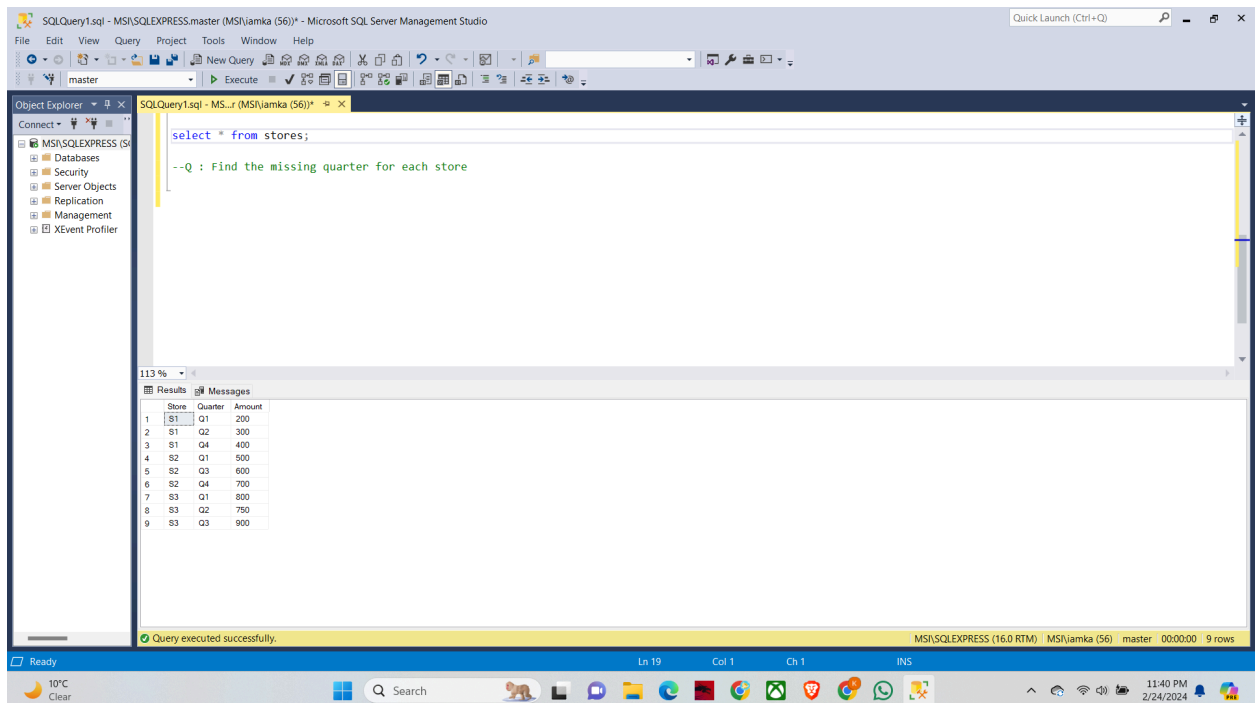


Day19 - Feb 24th 2024

1. Started my day as usual
2. Marketed my profile for Data Engineering roles
3. Solved 2 leetcode binary search problems
4. Bored of hearing spark lectures and looking for projects to build on pyspark
5. Wasted lot of time for finding good resources on pyspark
6. Will start Pyspark real time project tomorrow

## 7. Ended my day with Solving real time SQL question



SQLQuery1.sql - MS\SQLEXPRESS-master (MSI\jamka (56)) - Microsoft SQL Server Management Studio

Object Explorer: Connect -> MS\SQLEXPRESS (S) -> Databases -> Security -> Server Objects -> Replication -> Management -> XEvent Profiler

Query: select \* from stores;

--Q : Find the missing quarter for each store

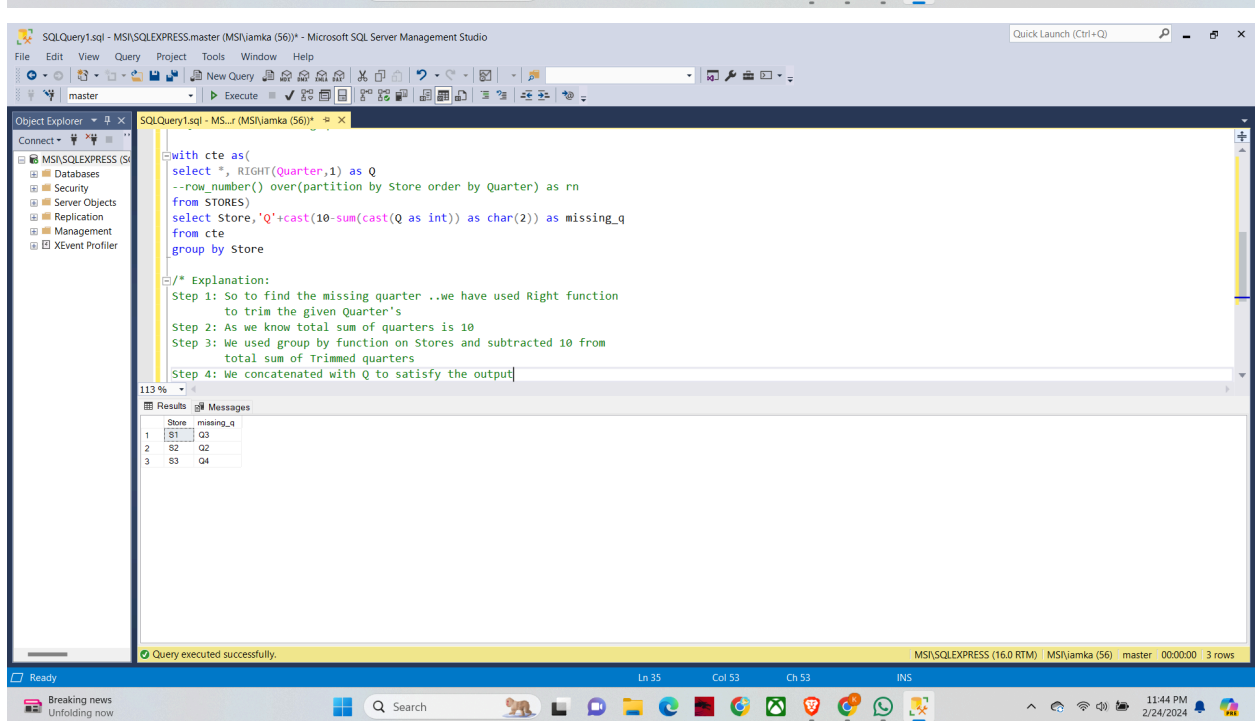
Results: 113 %

Store	Quarter	Amount
S1	Q1	200
S1	Q2	300
S1	Q4	400
S2	Q1	500
S2	Q3	600
S2	Q4	700
S3	Q1	800
S3	Q2	750
S3	Q3	900

Query executed successfully. MSI\SQLEXPRESS (16.0 RTM) MSI\jamka (56) master 00:00:00 9 rows

Ready 10°C Clear

Ln 19 Col 1 Ch 1 INS



SQLQuery1.sql - MS\SQLEXPRESS-master (MSI\jamka (56)) - Microsoft SQL Server Management Studio

Object Explorer: Connect -> MS\SQLEXPRESS (S) -> Databases -> Security -> Server Objects -> Replication -> Management -> XEvent Profiler

Query: with cte as(  
select \*, RIGHT(Quarter,1) as Q  
--row\_number() over(partition by Store order by Quarter) as rn  
from STORES)  
select Store,'Q'+cast(10-sum(cast(Q as int)) as char(2)) as missing\_q  
from cte  
group by Store

/\* Explanation:  
Step 1: So to find the missing quarter ..we have used Right function  
to trim the given Quarter's  
Step 2: As we know total sum of quarters is 10  
Step 3: We used group by function on Stores and subtracted 10 from  
total sum of Trimmed quarters  
Step 4: We concatenated with Q to satisfy the output

Results: 113 %

Store	missing_q
S1	Q3
S2	Q2
S3	Q4

Query executed successfully. MSI\SQLEXPRESS (16.0 RTM) MSI\jamka (56) master 00:00:00 3 rows

Ready Breaking news Unfolding now

Ln 35 Col 53 Ch 53 INS