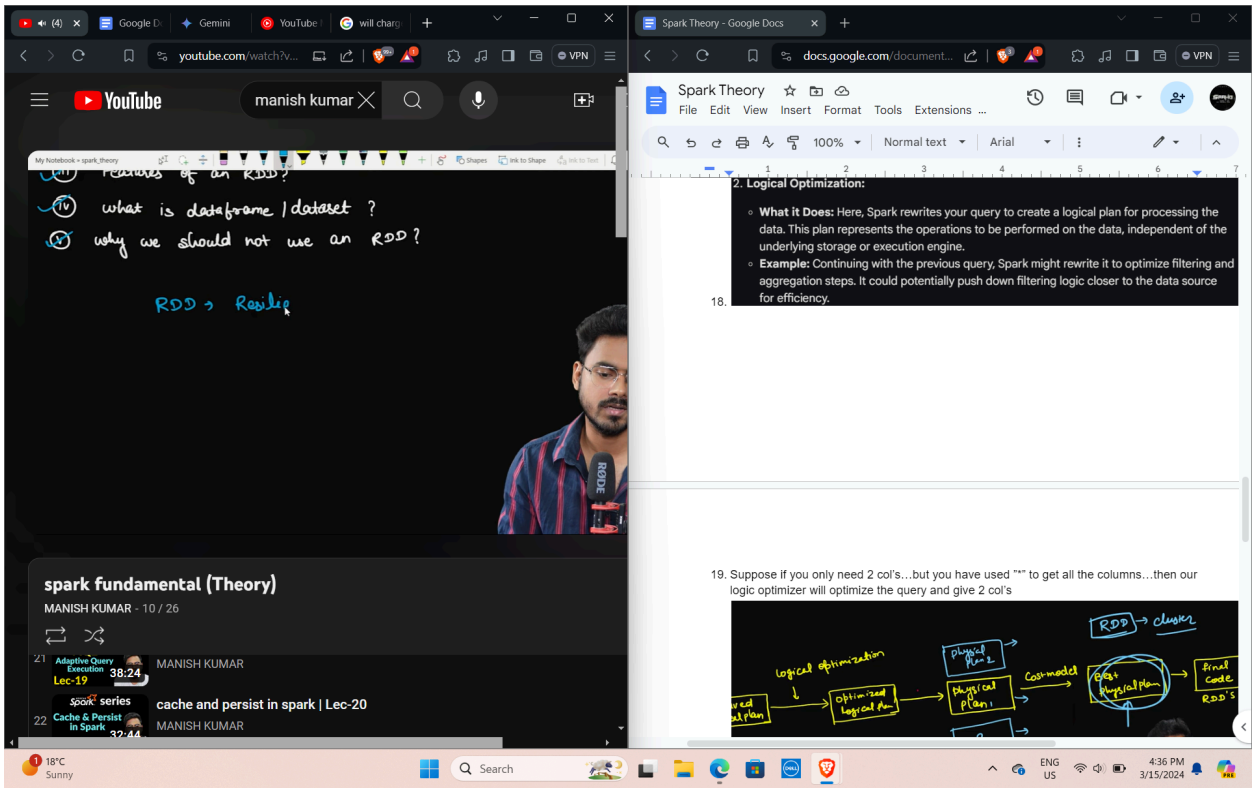
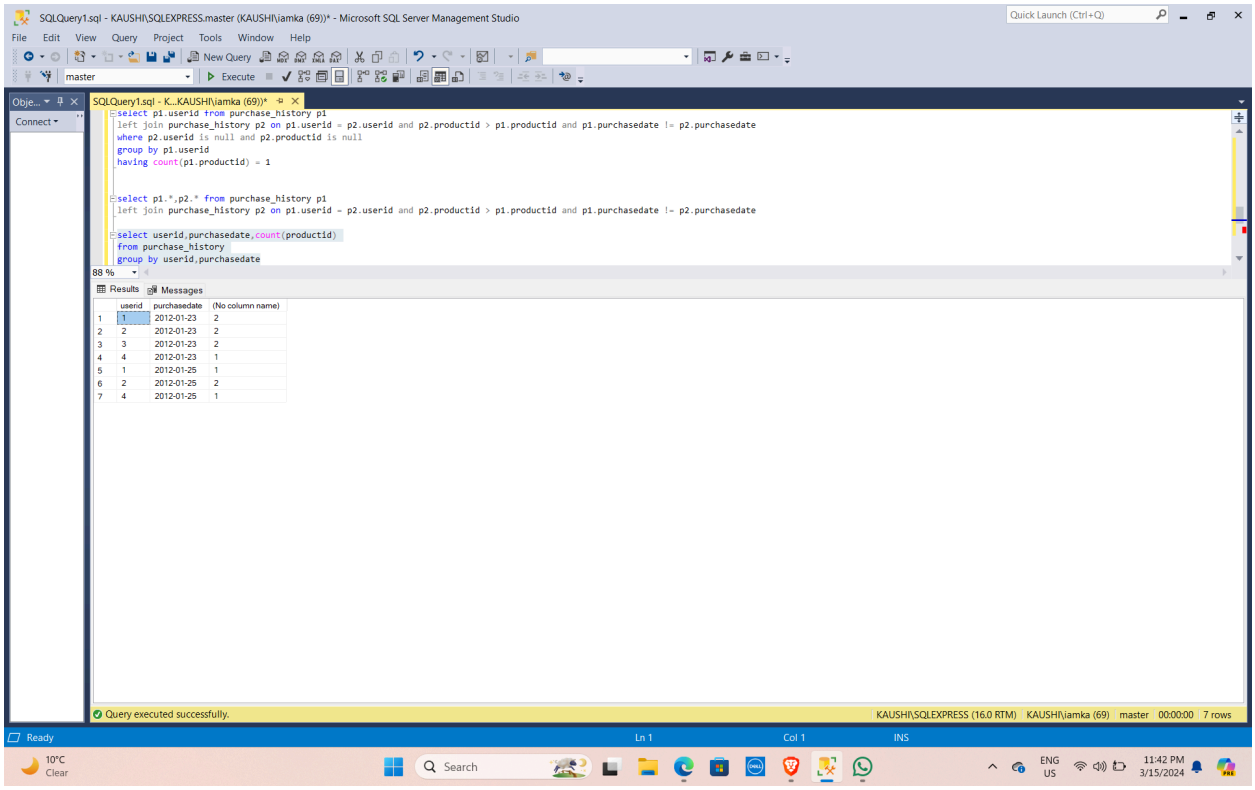
Day39 - March 15th 2024

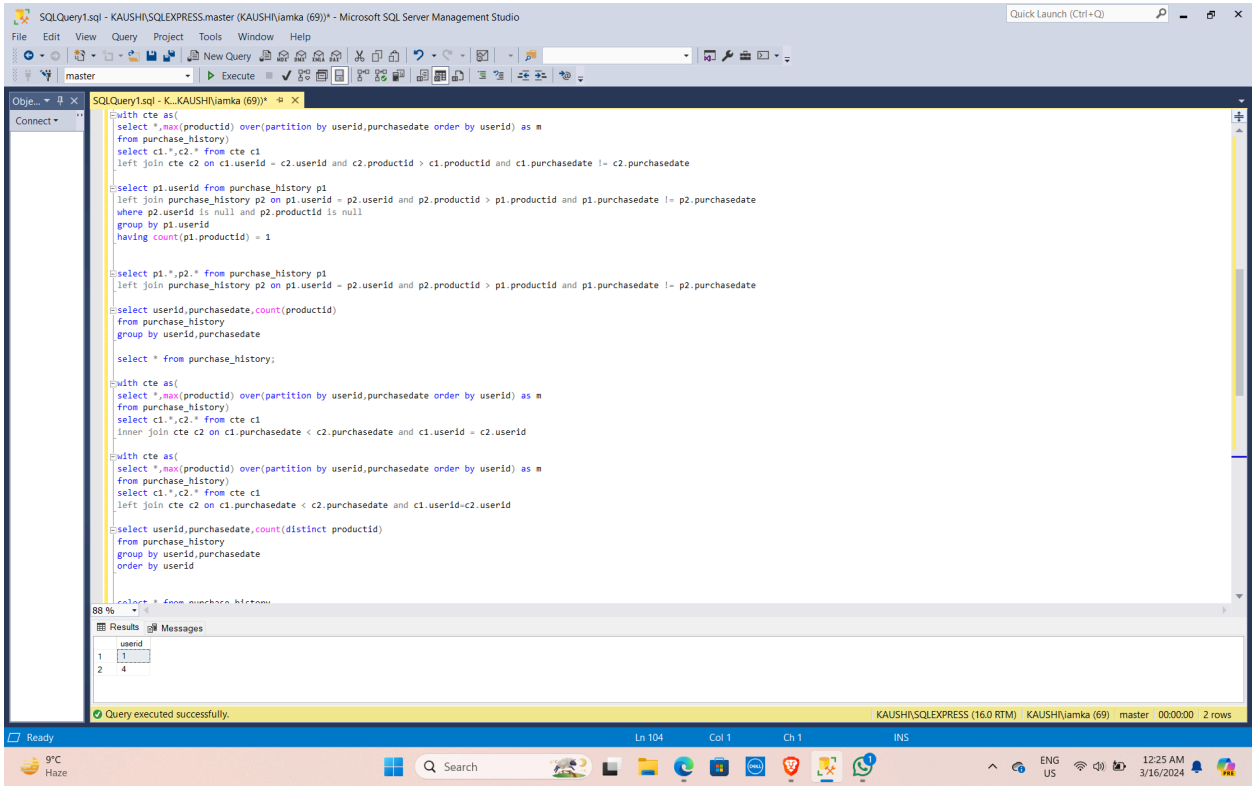
1. Started my day as usual
2. Completed one leetcode problem and will be consistently solved problem her on
3. Learning spark fundamentals from manish kumar



4. More details about the docs : https://docs.google.com/document/d/1vtgtCNflkiyHrPocS1pdTSaT2FpQFQBiKt_0IjkNISc/edit?usp=sharing
5. Ended my day my solving a complex SQL question from Ankit's Complex playlist

6.


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (69))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (69))*
select p1.userid from purchase_history p1
left join purchase_history p2 on p1.userid = p2.userid and p2.productid > p1.productid and p1.purchasedate != p2.purchasedate
where p2.userid is null and p2.productid is null
group by p1.userid
having count(p1.productid) = 1
select p1.*,p2.* from purchase_history p1
left join purchase_history p2 on p1.userid = p2.userid and p2.productid > p1.productid and p1.purchasedate != p2.purchasedate
select userid,purchasedate,count(productid)
from purchase_history
group by userid,purchasedate
Results
Messages
userid purchasedate (No column name)
1 1 2012-01-23 2
2 2 2012-01-23 2
3 3 2012-01-23 2
4 4 2012-01-23 1
5 1 2012-01-25 1
6 2 2012-01-25 2
7 4 2012-01-25 1
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (69) master 00:00:00 7 rows
Ready
Ln 1 Col 1 INS
10°C Clear
Search
ENG US
11:42 PM 3/15/2024


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (69))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (69))*
with cte as(
select *,max(productid) over(partition by userid,purchasedate order by userid) as m
from purchase_history)
select c1.*,c2.* from cte c1
left join cte c2 on c1.userid = c2.userid and c2.productid > c1.productid and c1.purchasedate != c2.purchasedate
select p1.userid from purchase_history p1
left join purchase_history p2 on p1.userid = p2.userid and p2.productid > p1.productid and p1.purchasedate != p2.purchasedate
where p2.userid is null and p2.productid is null
group by p1.userid
having count(p1.productid) = 1
select p1.*,p2.* from purchase_history p1
left join purchase_history p2 on p1.userid = p2.userid and p2.productid > p1.productid and p1.purchasedate != p2.purchasedate
select userid,purchasedate,count(productid)
from purchase_history
group by userid,purchasedate
select * from purchase_history;
with cte as(
select *,max(productid) over(partition by userid,purchasedate order by userid) as m
from purchase_history)
select c1.*,c2.* from cte c1
inner join cte c2 on c1.purchasedate < c2.purchasedate and c1.userid = c2.userid
with cte as(
select *,max(productid) over(partition by userid,purchasedate order by userid) as m
from purchase_history)
select c1.*,c2.* from cte c1
left join cte c2 on c1.purchasedate < c2.purchasedate and c1.userid=c2.userid
select userid,purchasedate,count(distinct productid)
from purchase_history
group by userid,purchasedate
order by userid
Results
Messages
userid
1 1
2 4
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (69) master 00:00:00 2 rows
Ready
Ln 104 Col 1 Ch 1 INS
9°C Haze
Search
ENG US
12:25 AM 3/16/2024

7. Wasted lot of time by thinking for a efficient solution