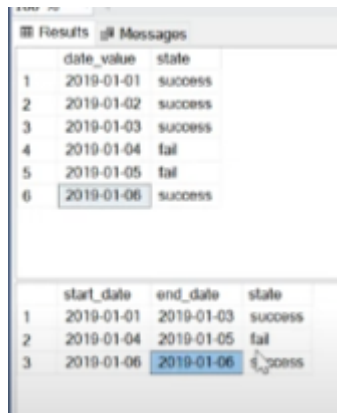


Day7-Feb 12th 2024

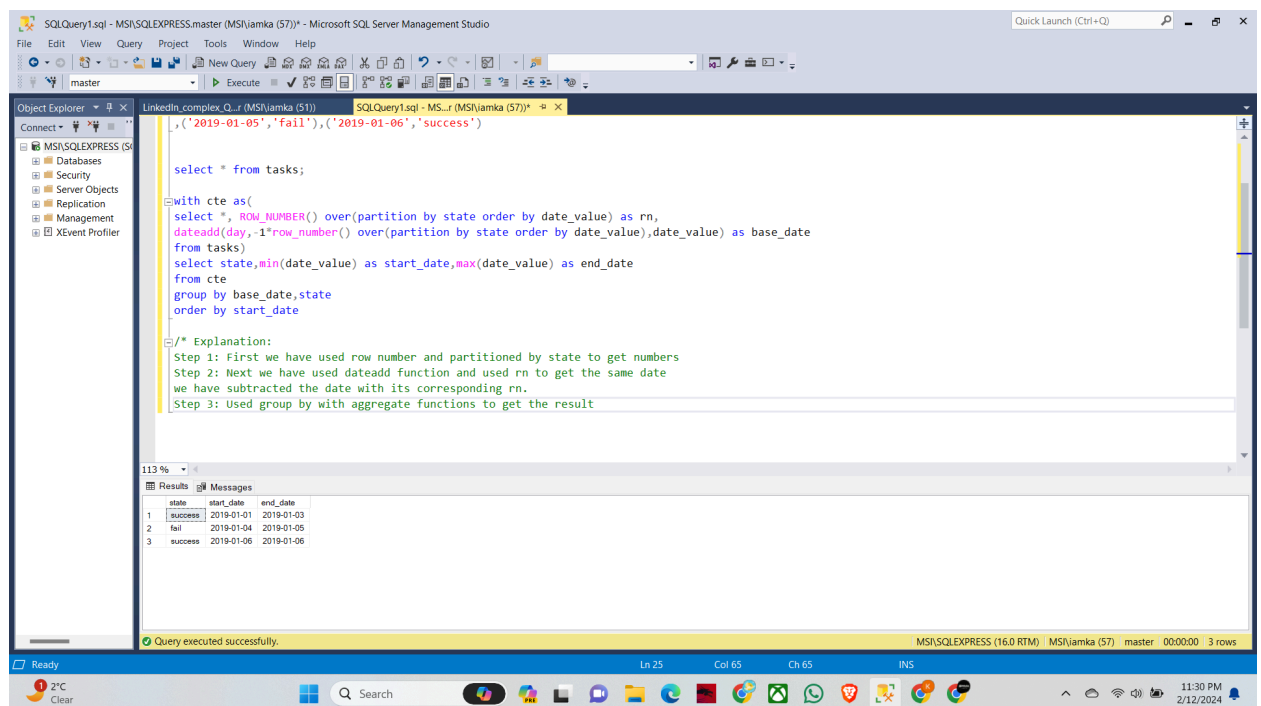
1. Started my day with as usual
2. Headed to library @ 8:15am
3. Marketed my profile for data engineer and connected with professional data engineer's on LinkedIn
4. Practiced SQL queries for BP Assesment
5. Completed BP HireVue Round
6. Solved one tricky(new logic) SQL problem



	date_value	state
1	2019-01-01	success
2	2019-01-02	success
3	2019-01-03	success
4	2019-01-04	fail
5	2019-01-05	fail
6	2019-01-06	success

	start_date	end_date	state
1	2019-01-01	2019-01-03	success
2	2019-01-04	2019-01-05	fail
3	2019-01-06	2019-01-06	success

Question :



```
SQLQuery1.sql - MS\SQLEXPRESS-master (MSI\jamka (57)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
master Execute
Object Explorer SQLQuery1.sql - MS\SQLEXPRESS-master (MSI\jamka (57))
Linkedin_complex_Q... (MSI\jamka (51))
SQLQuery1.sql - MS\SQLEXPRESS-master (MSI\jamka (57))
,('2019-01-05','fail'),('2019-01-06','success')

select * from tasks;

with cte as(
select *, ROW_NUMBER() over(partition by state order by date_value) as rn,
dateadd(day,-1*row_number() over(partition by state order by date_value),date_value) as base_date
from tasks)
select state,min(date_value) as start_date,max(date_value) as end_date
from cte
group by base_date,state
order by start_date

/* Explanation:
Step 1: First we have used row number and partitioned by state to get numbers
Step 2: Next we have used dateadd function and used rn to get the same date
we have subtracted the date with its corresponding rn.
Step 3: Used group by with aggregate functions to get the result
*/

Results Messages
state start_date end_date
1 success 2019-01-01 2019-01-03
2 fail 2019-01-04 2019-01-05
3 success 2019-01-06 2019-01-06

Query executed successfully.
MS\SQLEXPRESS (16.0 RTM) MSI\jamka (57) master 00:00:00 3 rows
```

7. Solved 3 SQL questions on leetcode's SQL-50

