

Day66 - April 11th 2024

1. Started my day as usual
2. Solved Reordering problem on Leetcode **143. Reorder List**  
Please find my sol explanation here : [4-11-24\\_Reorder LL](#)
3. Started Data ingestion part of my end to end Azure Data pipeline  
Please find my project doc here : [4-10,11-2024\\_End to End Azure DE\(On Perm to Azure\)](#)

#### 4. Ended my day by solving complex SQL from Ankit's YT

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
city varchar(50),
temperature int,
day date
);

insert into weather values
(1, 'London', -1, '2021-01-01'),
(2, 'London', -2, '2021-01-02'),
(3, 'London', 4, '2021-01-03'),
(4, 'London', 1, '2021-01-04'),
(5, 'London', -2, '2021-01-05'),
(6, 'London', -5, '2021-01-06'),
(7, 'London', -7, '2021-01-07'),
(8, 'London', 5, '2021-01-08');

--Q : Fetch 'N' Records from the table when temperature is below 0
select * from weather
```

The Results pane shows the following data:

id	city	temperature	day
1	London	-1	2021-01-01
2	London	-2	2021-01-02
3	London	4	2021-01-03
4	London	1	2021-01-04
5	London	-2	2021-01-05
6	London	-5	2021-01-06
7	London	-7	2021-01-07
8	London	5	2021-01-08

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (60) master 00:00:00 8 rows".

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
with cte as(
select *,row_number() over(order by id) as rn,(id-row_number() over(order by id)) as flag from weather
where temperature < 0
),cte2 as(
select *,count(*) over(partition by flag) as run_count from cte)
select id,city from cte2
where run_count = 3

/* Explanation:
Step1 : First we'll retrieve the rows where temp < 0
Step2 : Next we use row_number() over(order by id) to get row_number
Step3 : Now we subtract id and row_number ..if the there are consecutive
rows..then there value will be same
Step4 : Now in Cte2 we use running count of flag ..which gives us the required
output
```

The Results pane shows the following data:

id	city
5	London
6	London
7	London

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (60) master 00:00:00 3 rows".

#### 5.