SQL Practice - Day-29 - 20250305

Problem Statement:

You are analyzing a subscription-based platform where users upgrade or downgrade their plans. You need to identify the top 3 users who have made the most plan changes in the last 6 months.

📊 Table Information

USER_ID → Unique identifier for users

CHANGE_DATE → Date when the plan was changed

OLD_PLAN → Previous plan before change

NEW_PLAN → New plan after change

🎯 Your Task

Write a SQL query to rank users based on the number of times they have changed their plan in the last 6 months. Display the top 3 users, along with their total plan changes.

⏳ Constraints

If two users have the same number of plan changes, rank them by earliest change date.

If still tied, rank by USER_ID in ascending order.

** QUERY:

```
WITH BASE AS(
SELECT USER_ID, MIN(CHANGE_DATE) AS FIRST_CHANGE,
COUNT(*) AS PLAN_CHANGES
-- due to the filtering condition, change_date will have only non-null and past 6 month values
FROM SUBSCRIPTION_CHANGES
WHERE CHANGE_DATE > CURRENT_DATE - INTERVAL 180 DAY
GROUP BY USER_ID
ORDER BY PLAN_CHANGES DESC, FIRST_CHANGE , USER_ID
LIMIT 3
)
SELECT USER_ID, PLAN_CHANGES
FROM CTE
;
```