SQL Practice - Day-30 - 20250308

Problem Statement:

A delivery service tracks all deliveries in a table called DELIVERIES. Each record represents one delivery attempt.

Table: DELIVERIES

DELIVERY_ID (INT) – Unique identifier for each delivery.
ORDER_ID (INT) – Order ID (one order can have multiple delivery attempts).
CUSTOMER_ID (INT) – Unique customer identifier.
ATTEMPT_NUMBER (INT) – Number of attempts made for the delivery.
STATUS (VARCHAR) – Status of the attempt ('SUCCESS', 'FAILED').
DELIVERY_DATE (DATE) – Date of the delivery attempt.

Question:

Find the first successful delivery date for each order within the last 6 months. If an order has never been successfully delivered, exclude it.

Expected Output:
ORDER_ID
CUSTOMER_ID
FIRST_SUCCESS_DATE

(Note: If an order had multiple attempts, take the earliest successful one. Order data should be limited to the last 6 months.)

** QUERY:

```
WITH BASE AS(
SELECT *,
ROW_NUMBER() OVER (PARTITION BY ORDER_ID ORDER BY DELIVERY_DATE) AS RN
FROM DELIVERIES
WHERE STATUS = 'SUCCESS'
AND DELIVERY_DATE >= CURRENT_DATE - INTERVAL 180 DAY
)
SELECT ORDER_ID, CUSTOMER_ID, DELIVERY_DATE AS FIRST_SUCCESS_DATE
FROM BASE
WHERE RN = 1
;
```