

Question: → Credit Limit Exhausted, but check from Nov 1 - Nov 5 date onwards, what's the status of the user

```
WITH running AS (
    SELECT
        t.user_id,
        t.dt AS txn_date,
        SUM(t.revenue) OVER (
            PARTITION BY t.user_id
            ORDER BY t.dt ASC
        ) AS running_total, ----- running total also known as 'cumulative sum.'
        c.credit_limit
    FROM txn_completed t
    JOIN credit_card_limit c
        ON t.user_id = c.user_id
),
first_exceed AS (
    SELECT
        user_id,
        MIN(txn_date) AS exceeded_limit_date --first time customer exceeded their credit limit
    FROM running
    WHERE running_total >= credit_limit
    GROUP BY user_id
)
SELECT
    t.dt AS as_of_date,
    t.user_id,
    f.exceeded_limit_date,
    CASE
        WHEN f.exceeded_limit_date IS NULL THEN 'ACTIVE'
        WHEN f.exceeded_limit_date <= t.dt THEN 'LIMIT_EXHAUSTED'
        ELSE 'ACTIVE'
    END AS status
FROM txn_completed t
LEFT JOIN first_exceed f
    ON t.user_id = f.user_id
WHERE t.dt BETWEEN '2024-11-01' AND '2024-11-05'
ORDER BY t.user_id, t.dt;
```