

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;