/\* Using this dataset, show the SQL query to find the rolling 3 day average transaction amount for each day in January 2021. \*/

WITH daily\_totals AS (

SELECT

CAST(transaction\_time AS DATE) AS txn\_date,

SUM(transaction\_amount) AS total\_amount

FROM transactions

GROUP BY CAST(transaction\_time AS DATE)

),

rolling\_avg AS (

SELECT

txn\_date,

AVG(total\_amount) OVER (

ORDER BY txn\_date

ROWS BETWEEN 2 PRECEDING AND CURRENT ROW

) AS rolling\_3day\_avg

FROM daily\_totals

)

SELECT \*

FROM rolling\_avg

WHERE txn\_date = '2021-01-31'