CLOSE ENDED 2

Q: What are the top 5 brands by sales among users that have had their account for at least six months?

Assumption: I am assuming that the column in final\_sale in table TRANSACTIONS is inclusive of the quantity. This assumption will apply to all answers henceforth

-- a view of users who have been signed up for at least 6 months

WITH user\_month6 AS (

SELECT \*

FROM USER\_TAKEHOME

WHERE ( (strftime('%Y', 'now') - strftime('%Y', created\_date) >= 1 )

        OR

            (strftime('%m', 'now') - strftime('%m', created\_date) >= 6 )

          )

),

--a view of transactions of people who have had their account for 6 months

transactions\_month6 AS (

SELECT \*

FROM TRANSACTION\_TAKEHOME

WHERE user\_id IN (SELECT id from user\_month6)

)

/\*Assuming top sales as the dollar amount of sales of each brand\*/

SELECT p.BRAND, SUM(t.FINAL\_SALE) AS Total

FROM transactions\_month6 t LEFT JOIN PRODUCTS\_TAKEHOME p on t.BARCODE = p.BARCODE

WHERE t.BARCODE IS NOT NULL AND p.BRAND is not NULL AND p.BRAND is NOT ''

GROUP BY p.BRAND

ORDER BY Total DESC

LIMIT 5;



/\*However as noted above there are some data issues resulting in the following as a the true top 5\*/

