#### Closed-ended questions:

* What are the top 5 brands by receipts scanned among users 21 and over?

SELECT

P.brand,

COUNT(DISTINCT T.receipt\_id) AS receipts\_scanned

FROM

Transactions T

JOIN

Users U ON T.user\_id = U.id

JOIN

Products P ON T.barcode = P.barcode

WHERE

DATEDIFF(CURRENT\_DATE, U.birth\_date) / 365 >= 21

GROUP BY

P.brand

ORDER BY

receipts\_scanned DESC

LIMIT 5;

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

SELECT

P.brand,

SUM(T.sale) AS total\_sales

FROM

Transactions T

JOIN

Users U ON T.user\_id = U.id

JOIN

Products P ON T.barcode = P.barcode

WHERE

DATEDIFF(CURRENT\_DATE, U.created\_date) >= 180 -- Users with accounts older than 6 months

GROUP BY

P.brand

ORDER BY

total\_sales DESC

LIMIT 5;

#### Open-ended questions: for these, make assumptions and clearly state them when answering the question.

* Which is the leading brand in the Dips & Salsa category?

SELECT

P.brand,

SUM(T.sale) AS total\_sales

FROM

Transactions T

JOIN

Products P ON T.barcode = P.barcode

WHERE

P.category\_2 = 'Dips & Salsa'

GROUP BY

P.brand

ORDER BY

total\_sales DESC

LIMIT 1;