**-- Step 1: Define sales order (SO) dataset with regional classification**

WITH SO AS (

SELECT DISTINCT

CASE

WHEN warehousecode LIKE 'CENHAN%' THEN 'Miền Bắc'

ELSE 'Miền Nam'

END AS Region,

DATE(SO.orderdate) AS order\_date,

SD.ordernumber,

SD.productid,

SD.productname,

SD.productsku,

SO.buyerphone,

SO.stationcode,

SUM(SD.subtotal) AS subtotal,

SUM(SD.quantity) AS quantity,

COUNT(DISTINCT SO.buyerphone) AS unique\_customers,

SUM(SD.subtotal) AS revenue

FROM og\_order.v\_salesorder\_col AS SO

LEFT JOIN og\_order.v\_salesorderdetail\_col AS SD

ON SO.ordernumber = SD.ordernumber

WHERE DATE(SO.orderdate) >= '2025-01-01'

AND orderstatus <> 13

AND warehousecode = 'CENHCM01'

GROUP BY 1,2,3,4,5,6,7,8

),

**--Step 2: Identify rewarded products (QT dataset)**

QT AS (

SELECT

A.\*,

SO.productid AS QT\_productid,

SO.productname AS QT\_productname,

SO.productsku AS QT\_productsku

FROM (

SELECT

SO.\*,

RH.product\_id AS QT\_product\_id,

CASE

WHEN SO.productid = RH.product\_id THEN 'SP Quà Tặng'

ELSE 'SP điều kiện'

END AS Type\_SKU

FROM og\_reward.customer\_reward\_histories AS RH

INNER JOIN SO ON RH.order\_code = SO.ordernumber

WHERE DATE(RH.created\_at) >= '2025-01-01'

AND campaign\_type IN (1,2)

AND RH.status = 1

) AS A

LEFT JOIN SO ON A.QT\_product\_id = SO.productid AND A.ordernumber = SO.ordernumber

)

**--Step 3: Retrieve final dataset for rewarded products with SKU 'MK%'**

SELECT

order\_date,

ordernumber,

productid,

productname,

productsku,

Type\_SKU,

QT\_product\_id,

QT\_productname,

QT\_productsku,

SUM(quantity) AS total\_quantity,

SUM(subtotal) AS total\_subtotal

FROM QT

WHERE QT\_productsku LIKE 'MK%'

GROUP BY 1,2,3,4,5,6,7,8,9

ORDER BY order\_date DESC, ordernumber DESC, total\_quantity DESC;