**1. Total Amount Spent and Country for Pending Delivery Status**

SELECT

c.Country,

SUM(o.Amount) AS Total\_Spend

FROM

Customer c

JOIN

Shipping s ON c.Customer\_ID = s.Customer\_ID

JOIN

[Order] o ON c.Customer\_ID = o.Customer\_ID

WHERE

s.Status = 'Pending'

GROUP BY

c.Country;

**2. Total Transactions, Quantity Sold, Amount Spent per Customer with Product Details**

SELECT

c.Customer\_ID,

c.First,

c.Last,

o.Item,

COUNT(o.Order\_ID) AS Total\_Transactions,

COUNT(o.Item) AS Total\_Quantity,

SUM(o.Amount) AS Total\_Spend

FROM

Customer c

JOIN

[Order] o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

c.Customer\_ID, c.First, c.Last, o.Item;

**3. Maximum Product Purchased for Each Country**

WITH CountryProduct AS (

SELECT

c.Country,

o.Item,

SUM(o.Amount) AS Total\_Amount

FROM

Customer c

JOIN

[Order] o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

c.Country, o.Item

),

Ranked AS (

SELECT \*,

RANK() OVER (PARTITION BY Country ORDER BY Total\_Amount DESC) AS rnk

FROM CountryProduct

)

SELECT

Country, Item, Total\_Amount

FROM

Ranked

WHERE

rnk = 1;

**4. Most Purchased Product Based on Age Category (<30, 30+)**

WITH AgeGroup AS (

SELECT

CASE WHEN c.Age < 30 THEN '<30' ELSE '30+' END AS Age\_Group,

o.Item,

SUM(o.Amount) AS Total\_Amount

FROM

Customer c

JOIN

[Order] o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

CASE WHEN c.Age < 30 THEN '<30' ELSE '30+' END,

o.Item

),

Ranked AS (

SELECT \*,

RANK() OVER (PARTITION BY Age\_Group ORDER BY Total\_Amount DESC) AS rnk

FROM AgeGroup

)

SELECT

Age\_Group, Item, Total\_Amount

FROM

Ranked

WHERE

rnk = 1;

**5. Country with Minimum Transactions and Minimum Sales**

WITH CountryStats AS (

SELECT

c.Country,

COUNT(o.Order\_ID) AS Transactions,

SUM(o.Amount) AS Total\_Sales

FROM

Customer c

JOIN

[Order] o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

c.Country

)

SELECT

Country, Transactions, Total\_Sales

FROM

CountryStats

WHERE

Transactions = (SELECT MIN(Transactions) FROM CountryStats)

OR Total\_Sales = (SELECT MIN(Total\_Sales) FROM CountryStats);