1. the total amount spent and the country for the Pending delivery status for each country  
  
SELECT c.country, SUM(o.amount) AS total\_amount\_spent

FROM assignment.order o

JOIN assignment.shipping s ON o.Customer\_ID = s.Customer\_ID

JOIN assignment.customers c ON s.customer\_id = c.id

WHERE s.status = 'Pending'

GROUP BY c.country;

2. the total number of transactions, total quantity sold, and total amount spent for each customer, along with the product details.

SELECT

c.Customer\_ID,

c.first,

c.last,

o.item,

COUNT(o.order\_id) AS total\_transactions,

SUM(o.amount) AS total\_amount\_spent

FROM

assignment.customer c

JOIN

assignment.order o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

c.Customer\_ID, c.first, c.last, o.item;

3.the maximum product purchased for each country.

SELECT c.country, o.item AS max\_product, COUNT(o.item) AS purchase\_count

FROM assignment.customer c

JOIN assignment.order o ON c.Customer\_ID = o.Customer\_ID

JOIN (

SELECT country, MAX(amount) AS max\_amount

FROM assignment.customer c

JOIN assignment.order o ON c.Customer\_ID = o.Customer\_ID

GROUP BY country

) max\_orders ON c.country = max\_orders.country AND o.amount = max\_orders.max\_amount

GROUP BY c.country, o.item;

4. the most purchased product based on the age category less than 30 and above 30.

5. the country that had minimum transactions and sales amount.

WITH TransactionSummary AS (

SELECT

c.country,

COUNT(o.order\_id) AS transaction\_count,

SUM(o.amount) AS total\_sales\_amount

FROM

assignment.customer c

LEFT JOIN

assignment.order o ON c.Customer\_ID = o.Customer\_ID

GROUP BY

c.country

)

SELECT

country,

transaction\_count,

total\_sales\_amount

FROM

TransactionSummary

WHERE

(transaction\_count, total\_sales\_amount) = (

SELECT

MIN(transaction\_count),

MIN(total\_sales\_amount)

FROM

TransactionSummary

);