--the total amount spent and the country for the Pending delivery status for each country.

```
SELECT c.country ,sum(o.amount)
FROM order_ o JOIN customer c
ON o.customer_id=c.customer_id
WHERE o.customer_id IN(SELECT customer_id FROM shipping WHERE status='Pending')
GROUP BY c.country;
```

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

```
SELECT
    c.customer_id,
    o.item,
    COUNT(o.order_id) AS totaltranc,
    COUNT(o.item) AS quantity,
    SUM(o.amount) AS totalamt
FROM
    Order_ o
    JOIN Customer c ON o.customer_id = c.customer_id
GROUP BY
    c.customer_id,  o.item;
```

---the maximum product purchased for each country.

```sql
WITH maxProduct AS (
SELECT COUNTRY,ITEM,SUM(o.Amount) AS TotalAmount,COUNT(ORDER_ID) TotalCnt,
    ROW_NUMBER() OVER ( PARTITION BY COUNTRY ORDER
    BY COUNT(ORDER_ID) DESC)  AS Rno
FROM  ORDER_ o
JOIN  CUSTOMER c ON o.customer_id=c.customer_id
GROUP BY COUNTRY,ITEM
)
SELECT COUNTRY,ITEM,TotalAmount,TotalCnt
FROM maxproduct
WHERE Rno=1
ORDER BY TotalCnt DESC;
```

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

```sql
WITH AgeCategory AS (
  SELECT
    c.customer_id,
    c.age,
    CASE WHEN c.age < 30 THEN '<30' ELSE '>30' END AS age_category,
    o.item,
    o.amount,
    o.order_id,
    c.country
  FROM
    Order_ o
```

```sql
    JOIN
        Customer c ON c.customer_id = o.customer_id
),
Product AS (
    SELECT
        age_category,
        country,
        item,
        SUM(amount) AS total_amount,
        COUNT(order_id) AS total_count,
        ROW_NUMBER() OVER (
            PARTITION BY age_category
            ORDER BY COUNT(order_id) DESC
        ) AS rno
    FROM
        AgeCategory
    GROUP BY
        age_category, country, item
)
SELECT
    age_category,
    item,
    total_count,
    total_amount
FROM
    Product
WHERE
```

rno = 1;

 ------------the country that had minimum transactions and sales amount.
WITH mintranc AS(
SELECT country,COUNT(DISTINCT order_id)over(partition BY country) cnt,SUM(amount)over(partition BY country) sm
FROM customer c JOIN order_ o
ON c.customer_id=o.customer_id
)
SELECT  DISTINCT country, cnt, sm
FROM mintranc
WHERE
cnt IN(SELECT min(cnt) FROM mintranc)
sm IN(select min(sm) FROM mintranc);