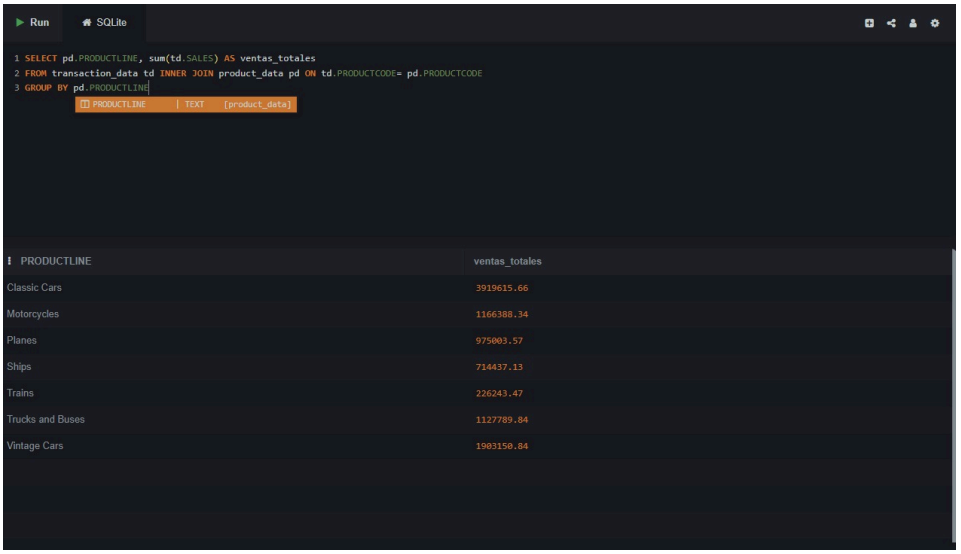
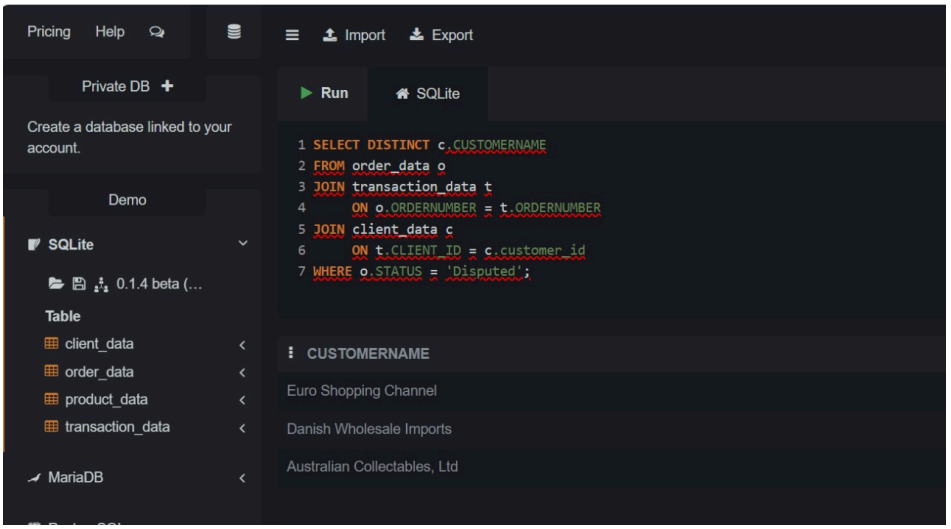
EJERCICIOS BIG DATA—-----smart data

1. SELECT pd.PRODUCTLINE, sum(td.SALES) as ventas_totales
   from transaction_data td inner JOIN product_data pd ON td.PRODUCTCODE= pd.PRODUCTCODE
   GROUP by pd.PRODUCTLINE

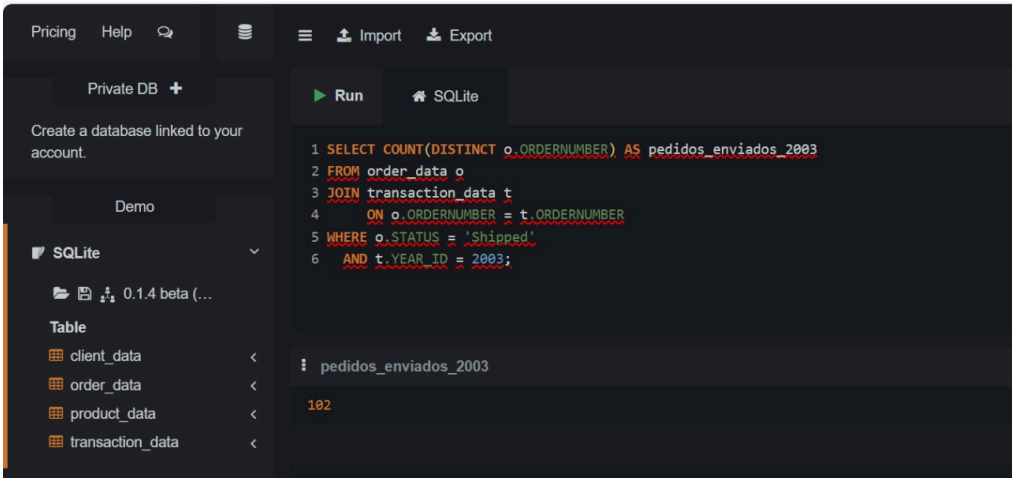


2. SELECT DISTINCT c.CUSTOMERNAME
   FROM order_data o
   JOIN transaction_data t
   ON o.ORDERNUMBER = t.ORDERNUMBER
   JOIN client_data c
   ON t.CLIENT_ID = c.customer_id
   WHERE o.STATUS = 'Disputed';

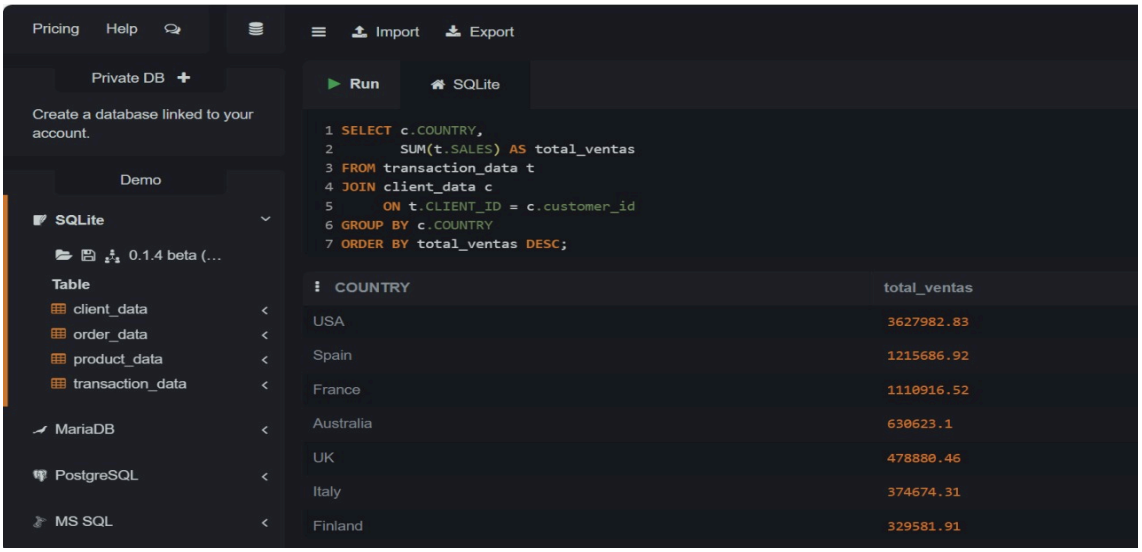


3. SELECT COUNT(DISTINCT o.ORDERNUMBER) AS pedidos_enviados_2003
   FROM order_data o

```
JOIN transaction_data t
    ON o.ORDERNUMBER = t.ORDERNUMBER
WHERE o.STATUS = 'Shipped'
 AND t.YEAR_ID = 2003;
```

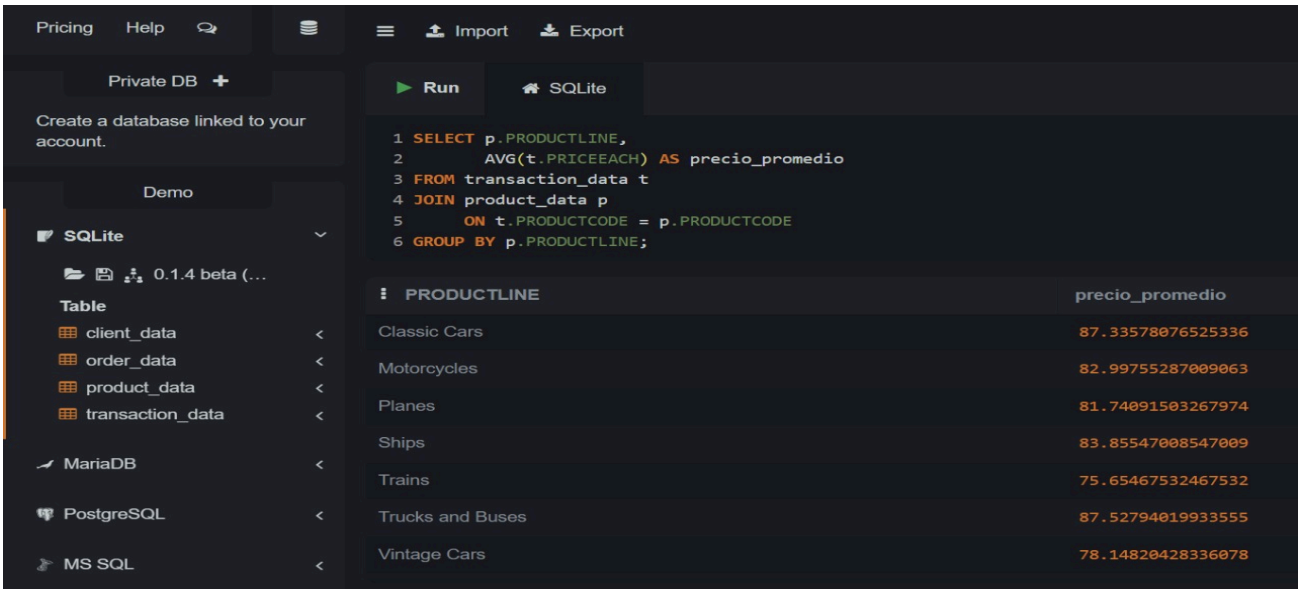


4.
```
SELECT c.COUNTRY,
       SUM(t.SALES) AS TotalSales
FROM transaction_data t
JOIN client_data c
    ON t.CLIENT_ID = c.customer_id
GROUP BY c.COUNTRY
ORDER BY TotalSales DESC;
```

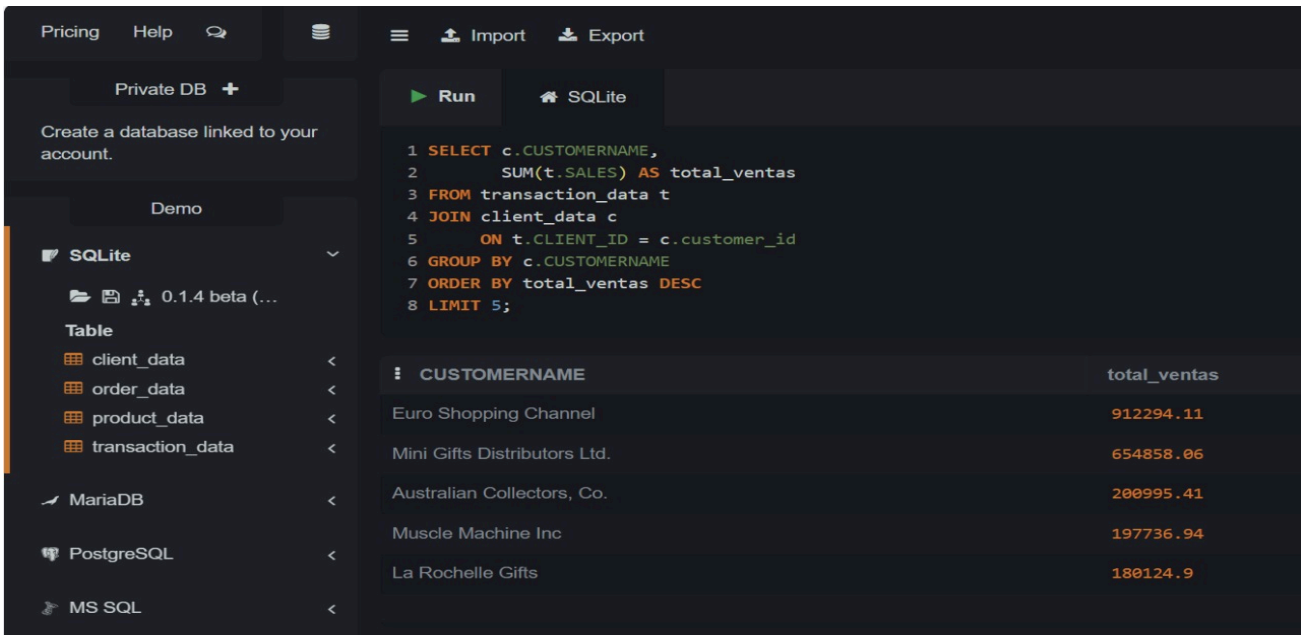


5.
```
SELECT p.PRODUCTLINE,
       AVG(t.PRICEEACH) AS AvgPrice
FROM transaction_data t
JOIN product_data p
    ON t.PRODUCTCODE = p.PRODUCTCODE
GROUP BY p.PRODUCTLINE
```

ORDER BY AvgPrice DESC;

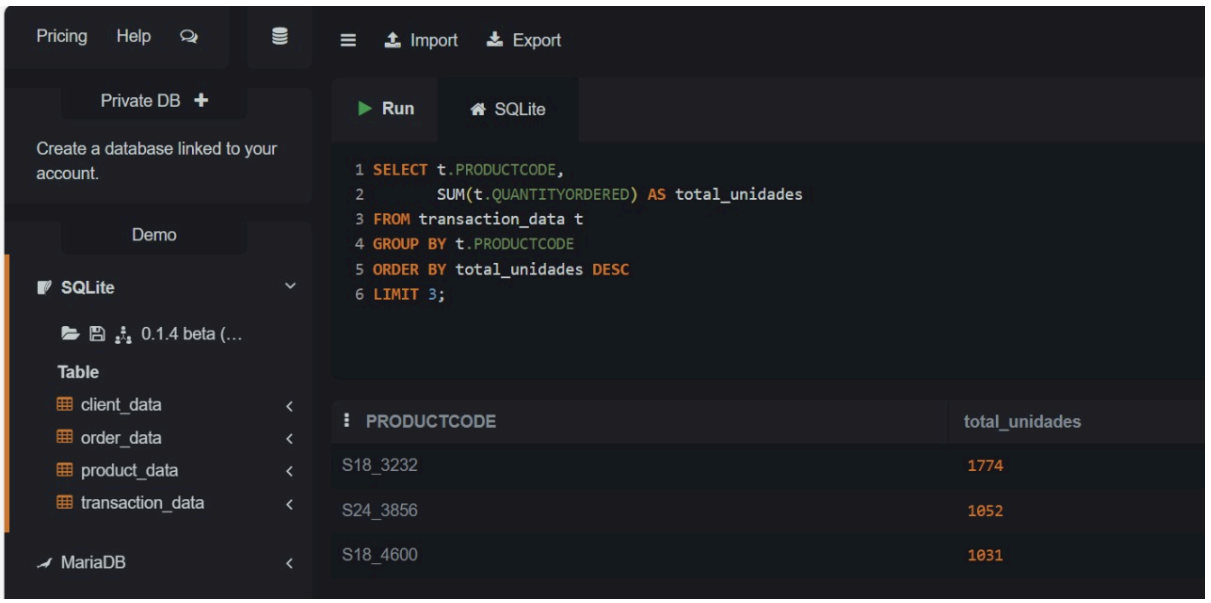


6. SELECT c.CUSTOMERNAME,
   SUM(t.SALES) AS TotalSales
   FROM transaction_data t
   JOIN client_data c
   ON t.CLIENT_ID = c.customer_id
   GROUP BY c.CUSTOMERNAME
   ORDER BY TotalSales DESC
   LIMIT 5;

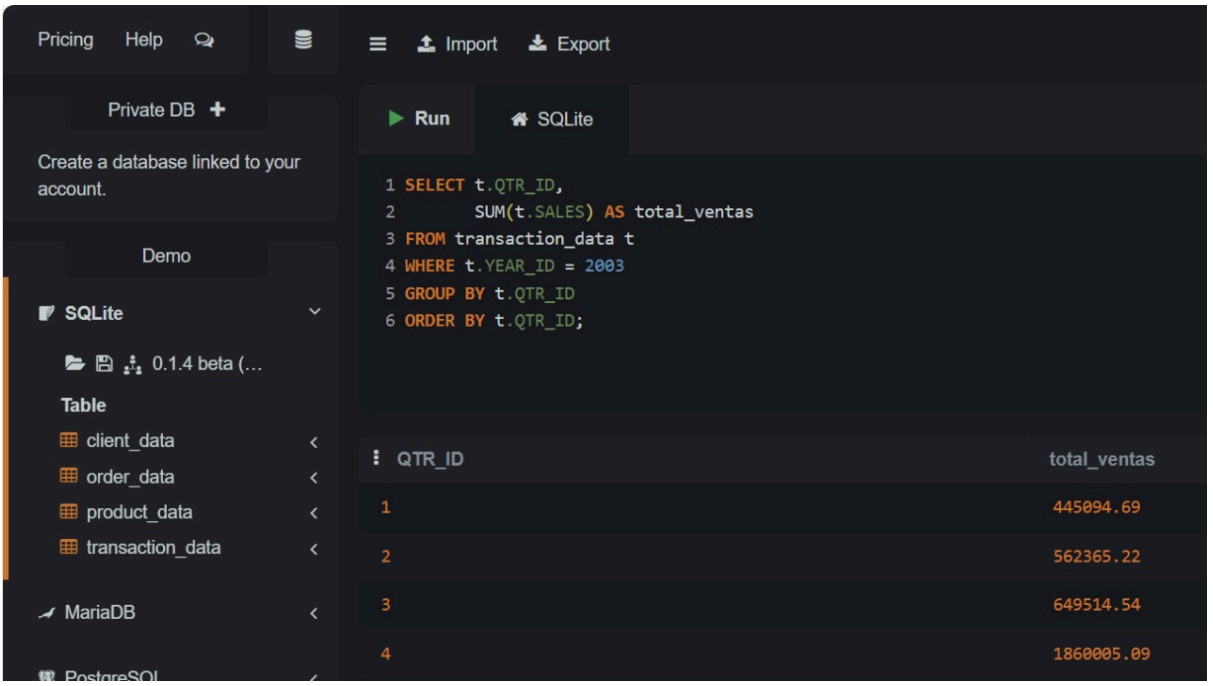


7. SELECT t.PRODUCTCODE,
   SUM(t.QUANTITYORDERED) AS TotalUnits

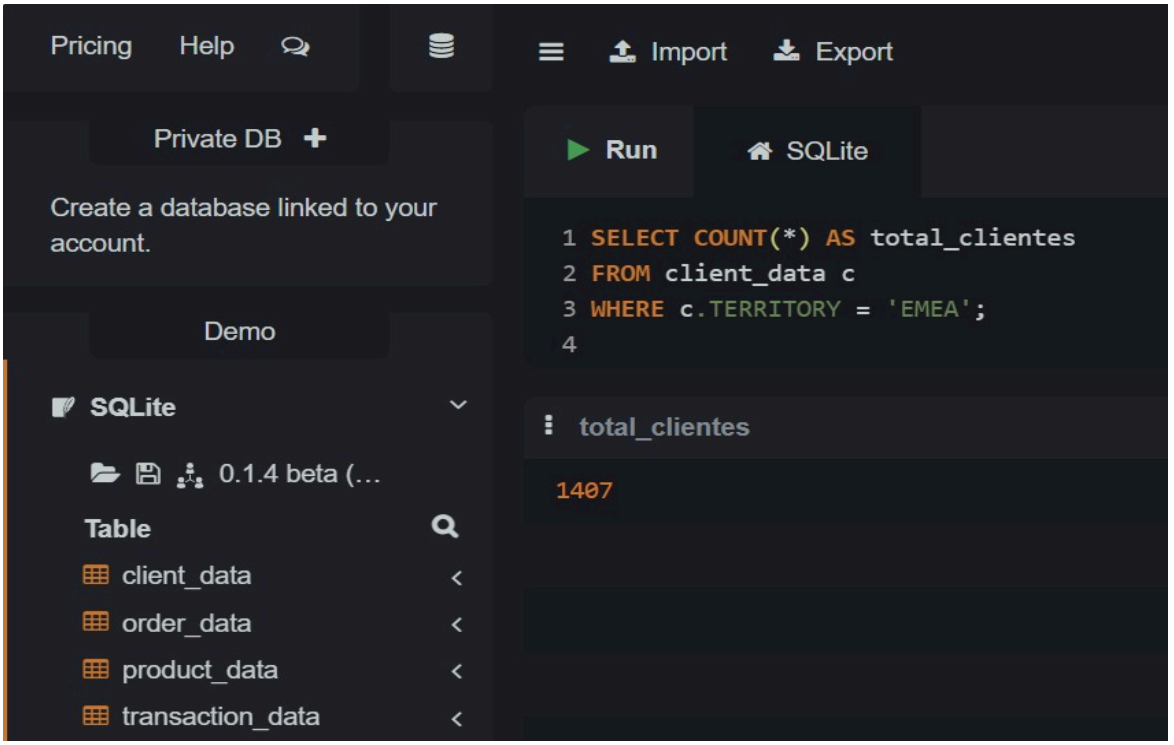
FROM transaction_data t
GROUP BY t.PRODUCTCODE
ORDER BY TotalUnits DESC
LIMIT 3;



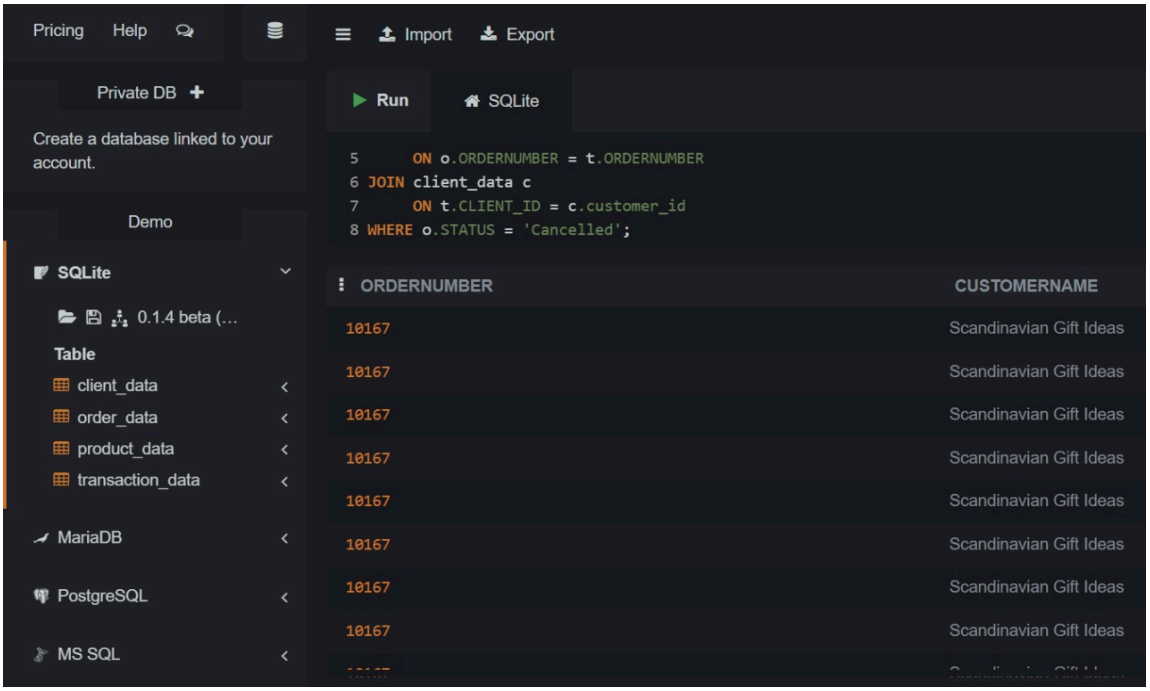
8. SELECT t.QTR_ID,
SUM(t.SALES) AS TotalSales
FROM transaction_data t
WHERE t.YEAR_ID = 2003
GROUP BY t.QTR_ID
ORDER BY t.QTR_ID;



9. SELECT COUNT(*) AS TotalClientesEMEA
   FROM client_data c
   WHERE c.TERRITORY = 'EMEA';



10. SELECT o.ORDERNUMBER,
        c.CUSTOMERNAME
    FROM order_data o
    JOIN transaction_data t
        ON o.ORDERNUMBER = t.ORDERNUMBER
    JOIN client_data c
        ON t.CLIENT_ID = c.customer_id
    WHERE o.STATUS = 'Cancelled';



COMPLEJOS

1. SELECT t.YEAR_ID,
   SUM(t.SALES) AS total_ventas
   FROM transaction_data t
   JOIN client_data c
   ON t.CLIENT_ID = c.customer_id
   WHERE c.COUNTRY = 'USA'
   AND t.QTR_ID = 1
   GROUP BY t.YEAR_ID
   ORDER BY t.YEAR_ID;

2.
```
SELECT DISTINCT c.CUSTOMERNAME
FROM transaction_data t
JOIN product_data p
    ON t.PRODUCTCODE = p.PRODUCTCODE
JOIN client_data c
    ON t.CLIENT_ID = c.customer_id
WHERE p.PRODUCTLINE = 'Classic Cars';
```