

NORTH WIND TRADERS' CAPSTONE PROJECT REPORT
PRESENTED BY
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UTIVA DATA SCHOOL

ANALYSIS AND INSIGHT DERIVED FROM THE DATA GIVEN

1. The UK sales team are visiting the Seattle office. Write a SQL statement to display the last name, first name, title, country and city of the employees you would now expect to be in Seattle.

In the Seattle Office there are just two staff as shown in Table 1

Table 1: List of staff to be visited by UK team in Seattle

S/N	Last name	First Name	Title	City	Country
1	Davolio	Nancy	Sales Representative	Seattle	USA
2	Callahan	Laura	Inside Sales Coordinator	Seattle	USA

- List the names and prices of the ten cheapest products.

The cheapest product is Geitost as shown in Figure 1

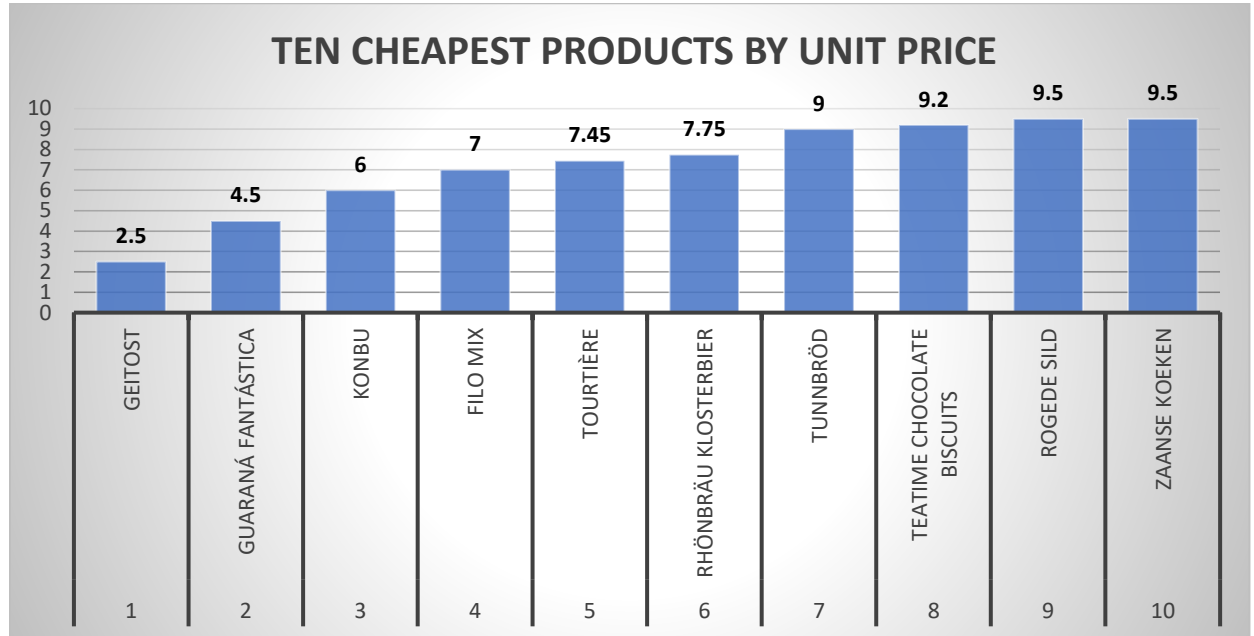


Figure 1: Ten (10) cheapest products.

- What is the total revenue generated based on products ordered between 14/02/1997 and 25/12/1997?

Table 12 shows the total revenue generated from products ordered between 14/2/1997 and 25/12/1997.

Total Revenue
555,984.54

4. Top 5 suppliers by order

S/N	Company Name	<i>Country</i>	<i>Number of Order</i>
1	Plutzer Lebensmittelgroßmarkte AG	Germany	179
2	Specialty Biscuits, Ltd.	UK	164
3	Pavlova, Ltd	Australia	163
4	Gai paturage	Norway	105
5	Norske Meierier	France	105

5. Top 5 customer by revenue

Customer ID	Country	Revenue
QUICK	Germany	117,483.39
SAVEA	USA	115,673.38
ERNSH	Austria	113,236.67
HUNGO	Ireland	57,317.39
RATTC	USA	52,245.90

APPENDIX

The query for the solution is given below /*SQL CAPSTONE PROJECT FOR NORTH WIND TRADER BY AMUSAN OLUWATOSIN BABATOPE USING POSTGRESQL*

1. --Seattle Employees to be visited by UK Sales team
SELECT lastname,firstname, title, city,country
FROM Employees WHERE city = 'Seattle'

2. --Ten cheapest product
SELECT ProductName,Unitprice
FROM Products
ORDER BY 2
LIMIT 10

3. /*What is the total revenue generated based on product ordered between 14/02/1997 and 25/12/1997?*/

--WITH T1 AS

SELECT TRUNC(CAST(SUM(od.UnitPrice * od.quantity)AS Decimal),2) AS
TotalRevenue_byProduct
FROM Order_Details AS od
JOIN Orders AS o ON od.OrderID = O.OrderID
JOIN products AS p ON p.productid=od.productid
WHERE orderdate BETWEEN '1997-02-14' AND '1997-12-25'

--SELECT SUM(TotalRevenue_19970214_19971225) --FROM T1

4. Top 5 suppliers by order

SELECT s.Companyname,Country, COUNT(od.orderID) AS No_of_order
FROM Order_Details AS od
JOIN Products AS p ON od.productID=P.ProductID
JOIN Suppliers AS s ON s.supplierID=p.SupplierID
GROUP BY 1,2
ORDER BY 3 DESC
limit 5

5. --Top 5 customer by revenue

```
SELECT cu.customerid,cu.country, COUNT(o.orderid),  
TRUNC(CAST(sum(od.unitprice*od.quantity) AS DECIMAL),2) AS Revenue  
FROM orders AS o  
JOIN customers AS cu ON o.customerid=cu.customerid  
JOIN Order_details AS od ON od.orderid=o.orderid  
GROUP BY 1,2  
ORDER BY 4 DESC  
LIMIT 5
```