Question 2: For this question, you'll need to use SQL. to access the data set required for the challenge. Please use queries to answer the following questions. Paste your queries along with your final numerical answers below.

  a. How many orders were shipped by Speedy Express in total?
  b. What is the last name of the employee with the most orders?
  c. What product was ordered the most by customers in Germany?

SOLUTION

  a. SQL Query:

**SELECT ShipperName, COUNT(ShipperName) OrdersShipped
FROM(SELECT ***
> **FROM Orders o**
> **LEFT JOIN Shippers s ON s.ShipperID = o.ShipperID)**
**GROUP BY ShipperName
HAVING ShipperName = 'Speedy Express'**
Here, ShipperID = 1 for Speedy Express

SQL Statement:

```
SELECT ShipperName, COUNT(ShipperName) OrdersShipped FROM(
SELECT *
FROM Orders o
LEFT JOIN Shippers s
ON s.ShipperID = o.ShipperID)
GROUP BY ShipperName
```

Edit the SQL Statement, and click "Run SQL" to see the result.

[Run SQL »]

Result:

Number of Records: 1

ShipperName	OrdersShipped
Speedy Express	54

---

  b. SQL Query:

**SELECT Employees.LastName, COUNT(ORDERS.OrderID) AS NumberOfOrders
FROM Orders
INNER JOIN Employees ON (Orders.EmployeeID = Employees.EmployeeID)
GROUP BY LastName**

ORDER BY NumberOfOrders DESC
LIMIT 1;

SQL Statement:

```
SELECT Employees.LastName, COUNT(ORDERS.OrderID) AS NumberOfOrders
FROM Orders
INNER JOIN Employees ON (Orders.EmployeeID = Employees.EmployeeID)
GROUP BY LastName
ORDER BY NumberOfOrders DESC
LIMIT 1;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

LastName	NumberOfOrders
Peacock	40

Do not share my Personal Information

c. SQL Query:

SELECT P.ProductName, COUNT(P.ProductID) AS CountOfProducts
FROM Products AS P JOIN OrderDetails AS OD ON P.ProductID = OD.ProductID
JOIN Orders AS O ON O.OrderID = OD.OrderID
JOIN Customers AS C ON C.CustomerID = O.CustomerID
WHERE C.Country = 'Germany'
GROUP BY P.ProductName, P.ProductID
ORDER BY COUNT(P.ProductID) DESC
LIMIT 1;

SQL Statement:

```
SELECT P.ProductName, COUNT(P.ProductID) AS CountOfProducts
FROM Products AS P JOIN OrderDetails AS OD ON P.ProductID = OD.ProductID
JOIN Orders AS O ON O.OrderID = OD.OrderID
JOIN Customers AS C ON C.CustomerID = O.CustomerID
WHERE C.Country = 'Germany'
GROUP BY P.ProductName, P.ProductID
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

ProductName	CountOfProducts
Gorgonzola Telino	5