Fall 2022 Data Science Intern Challenge

Quenstion-2

a) **How many orders were shipped by Speedy Express in total?**

SELECT count(*) as no_of_orders FROM Orders o LEFT JOIN Shippers s on o.ShipperID=s.ShipperID where s.ShipperName='Speedy Express';
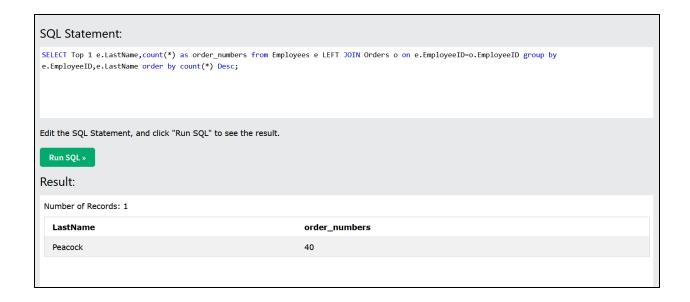
Answer - 54

SQL Statement:

```
SELECT count(*) as no_of_orders FROM Orders o LEFT JOIN Shippers s on o.ShipperID=s.ShipperID where s.ShipperName='Speedy Express';
```

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

Run SQL »

Result:

Number of Records: 1

no_of_orders
54

b) **What is the last name of the employee with the most orders?**

SELECT Top 1 e.LastName, COUNT(*) FROM Employees e LEFT JOIN Orders o on e.EmployeeID=o.EmployeeID GROUP BY e.EmployeeID,e.LastName ORDER BY COUNT(*) DESC;

Answer- Peacock

SQL Statement:

```sql
SELECT Top 1 e.LastName,count(*) as order_numbers from Employees e LEFT JOIN Orders o on e.EmployeeID=o.EmployeeID group by
e.EmployeeID,e.LastName order by count(*) Desc;
```

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

Run SQL »

Result:

Number of Records: 1

LastName	order_numbers
Peacock	40

c) What product was ordered the most by customers in Germany?

SELECT top 1 p.ProductName, COUNT(*) AS product_count FROM (((Orders o LEFT JOIN Customers c ON o.CustomerID=c.CustomerID) RIGHT JOIN OrderDetails od ON o.OrderID=od.OrderID) RIGHT JOIN Products p ON p.ProductID=od.ProductID) WHERE c.Country='Germany' GROUP BY p.ProductName ORDER BY COUNT(*) DESC;

Answer- Gorgonzola Telino

SQL Statement:

```sql
SELECT top 1 p.ProductName, COUNT(*) AS product_count FROM (((Orders o LEFT JOIN Customers c ON o.CustomerID=c.CustomerID) RIGHT JOIN
OrderDetails od ON o.OrderID=od.OrderID) RIGHT JOIN Products p ON p.ProductID=od.ProductID) WHERE c.Country='Germany' GROUP BY p.ProductName
ORDER BY COUNT(*) DESC;
```

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

Run SQL »

Result:

Number of Records: 1

ProductName	product_count
Gorgonzola Telino	5