

## Winer 2021 Data Science Intern Challenge Question 2

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

Final Answer: 3575

Query code:

```
SELECT ShipperName, SUM(Quantity)
FROM OrderDetails
INNER JOIN Orders ON OrderDetails.OrderID = Orders.OrderID
INNER JOIN Shippers ON Shippers.ShipperID = Orders.ShipperID
WHERE ShipperName = 'Speedy Express'
GROUP BY ShipperName
```

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

Final Answer: Peacock

Query code:

```
SELECT LastName
FROM Employees
INNER JOIN Orders ON Employees.EmployeeID = Orders.EmployeeID
INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID
GROUP BY Employees.EmployeeID
ORDER BY SUM(Quantity) DESC
LIMIT 1
```

- c. **What product was ordered the most by customers in Germany?**

Final Answer: Boston Crab Meat

Query code:

SELECT ProductName

FROM Customers

INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID

INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

INNER JOIN Products ON OrderDetails.ProductID = Products.ProductID

WHERE Country = 'Germany'

GROUP BY Country, ProductName

ORDER BY SUM(Quantity) DESC

LIMIT 1