Shopify Data Science Internship Challenge

Question 2

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

Result: Speedy Express shipped <u>54</u> orders in total

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

Result: **Peacock** was the last name of the employee with the most orders, who had 40 orders.

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

Assumption: We are looking for the product with the most QUANTITY purchased, not the item with the greatest number of orders. This is an important distinction, as a single order can contain more than one quantity of a product.

```
SELECT TOP 1

p.ProductName,
c.Country,
sum(ord.Quantity) as Quantity

FROM Customers as c,
Orders as o,
OrderDetails as ord,
Products as p

WHERE c.Country = "Germany" AND
c.CustomerID = o.CustomerID AND
o.OrderID = ord.OrderID AND
ord.ProductID = p.ProductID

GROUP BY p.ProductName,
c.Country

ORDER BY sum(ord.Quantity) DESC
```

Result: The most ordered item in Germany is **Boston Crab Meat** with 160 orders