

## Shopify Data Science Intern Challenge – Question Two

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

Answer: 54

Query:

```
SELECT COUNT(*)  
FROM orders  
WHERE shipperid = '1'
```

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

Answer: Peacock

Query:

```
SELECT employees.lastname  
FROM (SELECT employeeid, COUNT(orderid)  
      FROM orders  
      GROUP BY employeeid  
      ORDER BY 2 DESC  
      LIMIT 1) sub  
JOIN employees  
ON employees.employeeid = sub.employeeid
```

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

Answer: Steeleye Stout

Query:

```
SELECT products.productname  
FROM (SELECT *  
      FROM customers  
      JOIN orders  
      ON customers.customerid = orders.customerid  
      JOIN orderdetails  
      ON orders.orderid = orderdetails.orderid  
      WHERE customers.country = 'Germany'  
      ORDER BY orderdetails.quantity DESC  
      LIMIT 1) sub
```

```
JOIN products  
ON products.productid = sub.productid
```