

## Shopify Q2

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

**->count all orders on joined table**

```
SELECT COUNT(*)  
FROM [Orders]  
JOIN [Shippers]  
    ON [Shippers].ShipperID = [Orders].ShipperID  
WHERE [Shippers].ShipperName = 'Speedy Express'
```

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

-> Most occurrences of employeeID in orderDetails

-> Count occurrences of each employeeID

```
SELECT EmployeeID, COUNT(EmployeeID)  
FROM Orders  
GROUP by EmployeeID
```

Employee number 4 is included in the most orders, 40

Now lets find the last name:

```
SELECT LastName FROM [Employees]  
WHERE EmployeeID='4'
```

The last name of the employee with the most orders is :  
Peacock

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

**->count orders from customers in Germany, find highest occurrence of productID**

```
SELECT [OrderDetails].ProductID, SUM([OrderDetails].Quantity) AS numOrdered  
FROM [Orders]  
JOIN [Customers]  
    ON [OrderDetails].OrderID = [Orders].OrderID  
JOIN [OrderDetails]
```

```
ON [Customers].CustomerID = [Orders].CustomerID  
WHERE [Customers].Country = 'Germany'  
GROUP BY [OrderDetails].ProductID  
ORDER BY numOrdered DESC
```

Now lets find the product name:

```
SELECT [Products].ProductName  
FROM [Products]  
WHERE [Products].ProductID='40'
```

Boston Crab Meat
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Seems to be the most popular item !!