

Question 2: SQL

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

```
SELECT COUNT(OrderID)
FROM ORDERS o
JOIN SHIPPERS s
ON o.shipperID = s.shipperID
WHERE s.ShipperName = 'Speedy Express'
```

Answer: 54

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

```
SELECT e.LastName
FROM (
    SELECT EmployeeID, count(EmployeeID) as id
    FROM Orders o
    GROUP BY EmployeeID
) y
JOIN Employees e
ON e.EmployeeID = y.EmployeeID
ORDER BY y.id DESC
LIMIT 1
```

EmployeeID = 4, Count = 40

Answer: Peacock

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

```
WITH orderInfo as (
    SELECT p.ProductName, count(p.ProductName) as counter, SUM(od.quantity)
    as quant
    FROM OrderDetails od
    JOIN Orders o ON o.OrderID = od.OrderID
    JOIN Customers c ON o.CustomerID = c.CustomerID
    JOIN Products p ON od.ProductID = p.ProductID
    WHERE Country = 'Germany'
    GROUP BY p.ProductName
    ORDER BY quant DESC
    LIMIT 1
)

SELECT ProductName
FROM orderInfo
```

Answer: Boston Crab Meat

Count = 160 ** assumes the sum of all quantities of products