

QUESTION 2

Tables:

- Customers [CustomerID, CustomerName, Address, City, PostalCode, Country]
- Categories [CategoryID, CategoryName, Description]
- Employees [EmployeeID, LastName, FirstName, DOB, Photo, Notes]
- OrderDetails [OrderDetailID, OrderID, ProductID, Quantity]
- Orders [OrderID, CustomerID, EmployeeID, OrderDate, ShipperID]
- Products [ProductID, ProductName, SupplierID, CategoryID, Unit, Price]
- Shippers [ShipperID, ShipperName, Phone]
- Suppliers [SupplierID, SupplierName, ContactName, Address, City, PostalCode, Country, Phone]

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

```
SELECT COUNT(ShipperID)
FROM [Orders]
WHERE ShipperID == 1
```

Result: 54 Orders were shipped by Speedy Express (ShipperID =1)

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

```
SELECT Employees.LastName, COUNT(Orders.OrderID) AS TotalOrders
FROM Orders
LEFT JOIN Employees USING (EmployeeID)
GROUP BY LastName ORDER BY TotalOrders DESC
Limit 1
```

Result: Peacock is the LastName of the employee with a total of 40 orders

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

```
SELECT P.ProductName, SUM(OD.Quantity) AS TotalQuantity
FROM Customers AS C, OrderDetails AS OD, Orders AS O, Products AS P
WHERE C.Country = "Germany" AND C.CustomerID = O.CustomerID AND O.OrderID =
OD.OrderID AND OD.ProductID = P.ProductID
GROUP BY P.ProductID
ORDER BY TotalQuantity DESC
LIMIT 1;
```

Result: "Boston Crab Meat" with a total quantity of 160 is the most ordered product by customers in Germany