

Fall 2022 Data Science Intern Challenge

Question 2: For this question you'll need to use SQL. [Follow this link](#) to access the data set required for the challenge. Please use queries to answer the following questions. Paste your queries along with your final numerical answers below.

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

```
SELECT COUNT(*) AS OrdersShipped
FROM Orders
JOIN Shippers ON Orders.ShipperID == Shippers.ShipperID
WHERE Shippers.ShipperName = "Speedy Express";
```

OrdersShipped: 54

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

```
SELECT Employees.LastName, COUNT(Orders.OrderID) AS TotalOrders
FROM Orders
JOIN Employees ON Orders.EmployeeID == Employees.EmployeeID
GROUP BY Orders.EmployeeID
ORDER BY TotalOrders DESC
LIMIT 1;
```

OUTPUT:

LastName	TotalOrders
Peacock	40

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

```
SELECT Products.ProductName, SUM(Quantity) as TotalOrders
FROM Orders
JOIN Customers ON Orders.CustomerID == Customers.CustomerId
JOIN OrderDetails ON Orders.OrderID == OrderDetails.OrderID
JOIN Products ON OrderDetails.ProductID == Products.ProductID
WHERE Country == "Germany"
GROUP BY ProductName
ORDER BY TotalOrders DESC
LIMIT 1;
```

ProductName	TotalOrders
BostonCrabMeat	160