

Shopify Data Science Internship 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.

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

Answer: 54

Query:

```
SELECT
  COUNT(o.OrderID) AS count_orders_shipped
FROM Orders o
LEFT JOIN Shippers s
  ON o.ShipperID = s.ShipperID
WHERE ShipperName = 'Speedy Express';
```

Output of Query:

Result:

Number of Records: 1

count_orders_shipped

54

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

Answer: Peacock

Query:

```

SELECT
  LastName
FROM Employees
WHERE EmployeeID = (
  SELECT
    EmployeeID
  FROM Orders
  GROUP BY EmployeeID
  ORDER BY COUNT(OrderID) DESC
  LIMIT 1
);

```

Output of Query:

Result:

Number of Records: 1

LastName
Peacock

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

Answer: Boston Crab Meat

Query:

```

SELECT ProductName FROM Products WHERE ProductID = (
  SELECT
    d.ProductID
  FROM (
    SELECT
      o.OrderID
    FROM Orders o
    LEFT JOIN Customers c
      ON o.CustomerID = c.CustomerID
    WHERE c.Country = 'Germany'
  ) o
  LEFT JOIN OrderDetails d
    ON o.OrderID = d.OrderID
  GROUP BY d.ProductID
  ORDER BY SUM(d.Quantity) DESC
);

```

```
LIMIT 1  
);
```

Output of Query:

Result:

Number of Records: 1

ProductName

Boston Crab Meat
