

Shopify Fall 2022 Data Science Intern Challenge (Part 2)

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Challenge

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.

- How many orders were shipped by Speedy Express in total?
- What is the last name of the employee with the most orders?
- What product was ordered the most by customers in Germany?

How many orders were shipped by Speedy Express in total?

```
SELECT COUNT(*) AS SpeedyExpressOrdersCount
FROM Orders WHERE ShipperID = (
    SELECT ShipperID
    FROM Shippers WHERE ShipperName = 'Speedy Express'
);
```

SpeedyExpressOrdersCount
54

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

```
SELECT COUNT(O.EmployeeID) AS EmployeeOrdersCount, FirstName, LastName
FROM Orders AS O INNER JOIN Employees AS E
ON O.EmployeeID = E.EmployeeID
GROUP BY O.EmployeeID
ORDER BY EmployeeOrdersCount DESC
LIMIT 1;
```

EmployeeOrdersCount	FirstName	LastName
40	Margaret	Peacock

What product was ordered the most by customers in Germany?

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

ProductName	TotalQuantity
NuNuCa Nuß-Nougat-Creme	4