Shopify Data science Challenge
SQL

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Questions

- 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?

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

```sql
SELECT COUNT(*) as 'noOfOrders'
FROM Shippers sh
JOIN  Orders o
ON o.ShipperID = sh.ShipperID
WHERE sh.ShipperName = 'Speedy Express';
```

Query Result: 54

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

```sql
/* last name of the employee with the most orders?  */

SELECT e.LastName, COUNT(o.OrderID) as "NoOfOrder"
FROM Orders o, Employees e
WHERE o.EmployeeID = e.EmployeeID
GROUP BY e.EmployeeID
ORDER BY COUNT(*) DESC
LIMIT 1;
```

Query Result : Peacock

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

```sql
/* highest quantity of product German Orders  */

SELECT p.ProductName, SUM(od.Quantity) as "SumOfQuantity"
FROM Products p, OrderDetails od, Orders o, Customers c
WHERE p.ProductID = Od.ProductID
AND od.OrderID = o.OrderID
```

```sql
AND o.CustomerID = c.CustomerID
GROUP BY c.Country, p.ProductName
HAVING c.Country = 'Germany'
ORDER BY SUM(od.Quantity) DESC
LIMIT 1;
```

Query Result : Boston Crab Meat