

# Winter 2022 Data Science Intern Challenge

## Question 2

Jun Zhang

**How many orders were shipped by Speedy Express in total?**

```
SELECT
COUNT(OrderID)
FROM
Orders
JOIN Shippers
ON Orders.ShipperID = Shippers.ShipperID AND Shippers.ShipperName == 'Speedy Express';
```

**Output: 54**

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

```
SELECT LastName FROM Employees
JOIN
(SELECT *, COUNT(EmployeeID) DESC FROM Orders
GROUP BY EmployeeID
LIMIT 1) t ON t.EmployeeID=Employees.EmployeeID;
```

**Output: Davolio**

**What product was ordered the most by customers in Germany?**

```
SELECT Country, Total_Per_Product, ProductName FROM
(SELECT * FROM Customers WHERE Country='Germany') d
JOIN
(SELECT * FROM Orders
JOIN
(SELECT * FROM Products
JOIN
(SELECT *, SUM(Quantity) Total_Per_Product FROM OrderDetails
GROUP BY ProductID) t ON Products.ProductID=t.ProductID) f
ON f.OrderID=Orders.orderID) x
ON d.CustomerID=x.CustomerID
ORDER BY Total_Per_Product DESC
LIMIT 1;
```

**Output: Boston Crab Meat**