

# Data Science Internship Challenge

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## Question -

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?

## Answers -

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

### Answer:

```
SELECT COUNT(OrderID) FROM Orders
```

```
WHERE ShipperID = (SELECT ShipperID FROM Shippers WHERE
```

```
ShipperName = 'Speedy Express');
```

SQL Statement:

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

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

COUNT(OrderID)
----------------

54
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Output: 54

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

**Answer:**

SELECT LastName

FROM Orders a JOIN Employees b ON a.EmployeeID = b.EmployeeID

GROUP BY a.EmployeeID

ORDER BY COUNT(\*) DESC

LIMIT 1

SQL Statement:

```
SELECT LastName |
FROM Orders a JOIN Employees b ON a.EmployeeID = b.EmployeeID
GROUP BY a.EmployeeID
ORDER BY COUNT(*) DESC
LIMIT 1
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

LastName
----------

Peacock
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**Output:** Peacock (No of orders is 40)

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

**Answer:**

```
SELECT Products.ProductName FROM Orders
```

```
INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID
```

```
INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID
```

```
INNER JOIN Products ON OrderDetails.ProductID = Products.ProductID
```

```
WHERE Customers.Country = 'Germany'
```

```
GROUP BY Products.ProductName
```

```
ORDER BY COUNT(Products.ProductName) DESC LIMIT 1;
```

SQL Statement:

```
SELECT Products.ProductName FROM Orders
INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID
INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID
INNER JOIN Products ON OrderDetails.ProductID = Products.ProductID
WHERE Customers.Country = 'Germany'
GROUP BY Products.ProductName
ORDER BY COUNT(Products.ProductName) DESC LIMIT 1;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

ProductName
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Gorgonzola Telino
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**Output:** Gorgonzola Telino