

Fall 2022 Data Science Intern 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?

SQL Statement:

```
SELECT DISTINCT COUNT (ShipperName)
FROM (Orders)
INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID
WHERE ShipperName = 'Speedy Express'
```

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

[Run SQL »](#)

Result:

Number of Records: 1

COUNT (ShipperName)
54

Your Database:

Tablename	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

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

SQL Statement:

```
SELECT LastName FROM Employees WHERE EmployeeID =
(SELECT EmployeeID
FROM [Orders]
GROUP BY EmployeeID
ORDER BY COUNT (EmployeeID) DESC LIMIT 1)
```

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

[Run SQL »](#)

Result:

Number of Records: 1

LastName
Peacock

Your Database:

Tablename	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
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3. What product was ordered the most by customers in Germany?

SQL Statement:

```
INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID
INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID
INNER JOIN Products ON OrderDetails.ProductID = Products.ProductID
WHERE Country = 'Germany'
GROUP BY OrderDetails.ProductID
ORDER BY TotalOrders DESC LIMIT 1
```

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

Run SQL

Result:

Number of Records: 1

ProductName	TotalOrders
Boston Crab Meat	160

Your Database:

Tablename	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

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Author: Mahtab Khan