

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.

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

```
SELECT COUNT(*) FROM [Orders] a, Shippers b WHERE a.ShipperID=b.ShipperID and ShipperName = 'Speedy Express';
```

Ans: Total 54 Orders shipped by Speedy Express

SQL Statement:

```
SELECT COUNT(*) FROM [Orders] a, Shippers b WHERE a.ShipperID=b.ShipperID and ShipperName='Speedy Express';
```

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

Run SQL »

Result:

Number of Records: 1

COUNT(*)
54

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

```
Select LastName from Employees where EmployeeID in (select EmployeeID from (select EmployeeID, max(MaxOrders) from (SELECT EmployeeID, count(*) MaxOrders FROM [Orders] group by EmployeeID)))
```

Ans: The LastName of the Employee is Peacock who done the maximum orders.

SQL Statement:

```
Select LastName from Employees where EmployeeID in (select EmployeeID from (select EmployeeID, max(MaxOrders) from (SELECT EmployeeID, count(*) MaxOrders FROM [Orders] group by EmployeeID)))
```

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

Run SQL »

Result:

Number of Records: 1

LastName
Peacock

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

```
select PName MostOrderedProductByGermanyCustomers from (SELECT b.ProductID, b.ProductName PName, SUM(d.quantity) Total FROM Customers a, Products b, Orders c, OrderDetails d where a.CustomerID=c.CustomerID and C.OrderId=d.OrderID and b.ProductID = d.ProductID and a.Country='Germany' group by b.ProductID, b.ProductName) GROUP BY MostOrderedProductByGermanyCustomers HAVING Total in (select max(Total) from (SELECT b.ProductID, b.ProductName PName, sum(d.quantity) Total FROM Customers a, Products b, Orders c, OrderDetails d where a.CustomerID=c.CustomerID and C.OrderId=d.OrderID and b.ProductID = d.ProductID and a.Country='Germany' group by b.ProductID, b.ProductName))
```

Ans : Boston Crab Meat is Most ordered product by Germany

SQL Statement:

```
select PName MostOrderedProductByGermanyCustomers from (SELECT b.ProductID, b.ProductName PName, SUM(d.quantity) Total FROM Customers a, Products b, Orders c, OrderDetails d where a.CustomerID=c.CustomerID and C.OrderId=d.OrderID and b.ProductID = d.ProductID and a.Country='Germany' group by b.ProductID, b.ProductName) GROUP BY MostOrderedProductByGermanyCustomers HAVING Total in (select max(Total) from (SELECT b.ProductID, b.ProductName PName, sum(d.quantity) Total FROM Customers a, Products b, Orders c, OrderDetails d where a.CustomerID=c.CustomerID and C.OrderId=d.OrderID and b.ProductID = d.ProductID and a.Country='Germany' group by b.ProductID, b.ProductName))
```

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

Run SQL »

Result:

Number of Records: 1

MostOrderedProductByGermanyCustomers

Boston Crab Meat
