

Summer 2022 Data Science Intern Challenge

Candidate Name: Dinnara Hitt

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?

Answer:

```
SELECT count (OrderID) as TotalOrders
FROM [Orders] join Shippers on Orders.ShipperID = Shippers.ShipperID
where ShipperName = "Speedy Express"
```

Result:

Number of Records: 1

TotalOrders

54

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

Answer:

```
with MostOrder as
(
SELECT count(*) as TotalOrders, EmployeeID
FROM [Orders]
group by EmployeeID order by 1 desc limit 1
)
SELECT LastName
from Employees join MostOrder on Employees.EmployeeID = MostOrder.EmployeeID
```

Result:

Number of Records: 1

LastName

Peacock

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

Answer:

```
with MostProduct As
(
  SELECT sum(quantity) as TotalQuantity, ProductID
  FROM [OrderDetails]
  join Orders
  on OrderDetails.OrderID = Orders.OrderID
  join Customers
  on Orders.CustomerID = Customers.CustomerID
  where Country = "Germany"
  group by ProductID
  order by TotalQuantity desc
  limit 5
)
select ProductName
from Products
join MostProduct
on Products.ProductID = MostProduct.ProductID
```

Result:

Number of Records: 5

ProductName

Boston Crab Meat

Gorgonzola Telino

Tunnbröd

Steeleye Stout

Teatime Chocolate Biscuits