Winter 2022 Data Science Intern Challenge

Q1

Please refer to the python ipynb file.

Q2

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

```
SELECT COUNT(*) AS num_orders
FROM Orders o, Shippers s
WHERE o.ShipperId = s.ShipperId AND ShipperName = "Speedy Express"
```

    54 orders were shipped by Speedy Express.

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

```
SELECT e.LastName
FROM Employees e INNER JOIN Orders o
ON e.EmployeeID = o.EmployeeID
GROUP BY e.EmployeeID
ORDER BY COUNT(e.EmployeeID) DESC
```

    The last name is **Peacock**.

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

```
SELECT p.ProductName
FROM Customers c INNER JOIN Orders o on c.CustomerID = o.CustomerID
INNER JOIN OrderDetails od ON o.OrderID = od.OrderID
INNER JOIN Products p ON od.ProductID = p.ProductID
WHERE c.Country = 'Germany'
GROUP BY p.ProductID
ORDER BY SUM(od.Quantity) DESC
```

    Boston Crab Meat was ordered the most.