**Noah Scanlon**

[noahscanlon@gmail.com](mailto:noahscanlon@gmail.com) | [linkedin.com/in/noahscantron](http://linkedin.com/in/noahscanlon) | [github.com/noahscantron](http://github.com/noahscantron)

*Question 1, Write a Program:*

*Question 2, SQL:*

1. How many orders were shipped by Speedy Express in total?
   1. Query:
      1. SELECT COUNT(\*)
      2. FROM Orders
      3. WHERE ShipperID = 1;
   2. Answer:
      1. 54
2. What is the last name of the employee with the most orders?
   1. Query:
      1. WITH CTE AS (
      2. SELECT O.EmployeeID, E.LastName, COUNT(\*) AS "Order Count"
      3. FROM Orders O
      4. JOIN Employees E ON O.EmployeeID = E.EmployeeID
      5. GROUP BY O.EmployeeID)
      6. SELECT LastName, MAX("Order Count") AS "Order Count"
      7. FROM CTE;
   2. Answer:
      1. Peacock
      2. 40
3. What product was ordered the most by customers in Germany?
   1. Query:
      1. WITH CTE AS
      2. (SELECT OrderID, C.Country
      3. FROM Orders O
      4. JOIN Customers C ON O.CustomerID = C.CustomerID),
      5. CTE2 AS
      6. (SELECT ProductID, SUM(Quantity) AS "SUM Quantity"
      7. FROM OrderDetails OD
      8. JOIN CTE ON OD.OrderID = CTE.OrderID
      9. WHERE Country = "Germany"
      10. GROUP BY ProductID)
      11. SELECT ProductName, MAX("SUM Quantity") AS "Order Quantity"
      12. FROM CTE2
      13. JOIN Products P ON CTE2.ProductID = P.ProductID;
   2. Answer:
      1. Boston Crab Meat
      2. 160