

## Shopify - Fall 2022 Data Science Intern Challenge

### Question 2

a.

```
SELECT Count(OrderID)
FROM Orders O JOIN Shippers S ON O.ShipperID = S.ShipperID
WHERE S.ShipperName = "Speedy Express";
```

b.

```
SELECT A.LastName
FROM
(SELECT COUNT(O.OrderID), O.EmployeeID, E.LastName
FROM Orders O
JOIN Employees E ON O.EmployeeID = E.EmployeeID
GROUP BY 2
ORDER BY 1 DESC) AS A
LIMIT 1;
```

c.

```
SELECT DB.productname
FROM (SELECT COUNT(P.ProductID), ProductName
FROM Orders O
LEFT JOIN Customers C ON O.CustomerID = C.CustomerID
LEFT JOIN OrderDetails OD ON OD.OrderID = O.OrderID
LEFT JOIN Products P ON P.ProductID = OD.ProductID
WHERE C.Country = "Germany"
GROUP BY 2
ORDER BY 1 DESC) AS DB
LIMIT 1;
```