

A. 196

- a. Count the total number of orders
`SELECT COUNT(*) FROM [Orders]`

B. Peacock

- a. Start With the Orders table to count the number of orders per employee:
`SELECT *, COUNT(OrderID) as TotalOrders FROM [Orders]
GROUP BY EmployeeID
ORDER BY TotalOrders DESC`
- b. Join this table with the Employees table and identify the last name of the person with the most orders:
`SELECT * FROM [Employees]
INNER JOIN (SELECT *, COUNT(OrderID) as TotalOrders FROM [Orders]
GROUP BY EmployeeID
ORDER BY TotalOrders DESC)
USING(EmployeeID)
WHERE EmployeeID == 4`

C. Boston Crab Meat

- a. First, Identify which customers live in Germany
`SELECT * FROM [Customers] WHERE Country == 'Germany'`
- b. Next, Identify which orders were placed by those customers
`SELECT OrderID, CustomerID FROM [Orders]
INNER JOIN [Customers]
USING(CustomerID)
WHERE [Customers].Country == 'Germany'`
- c. Identify the Product ID's associated with the orders placed by the Germans
`SELECT * FROM [OrderDetails]
INNER JOIN
(SELECT OrderID From [Orders]
INNER JOIN[Customers]
USING(CustomerID)
WHERE [Customers].Country == 'Germany') AS GermanOrders
USING(OrderID)`
- d. Aggregate the quantity column to see which item was ordered the most
`SELECT ProductID, sum(Quantity) as TotalQuantity FROM [OrderDetails]
INNER Join
(SELECT OrderID FROM [Orders]
INNER JOIN [Customers]
USING (CustomerID)`

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Where [Customers].Country == 'Germany') AS GermanOrders  
USING(OrderID)  
GROUP BY ProductID  
ORDER BY TotalQuantity DESC
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- e. Identify that item in the Products table:
SELECT * FROM [Products] WHERE ProductID == 40