Shopify Data Science Intern Challenge

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Question 1

a) It is likely that the count() function may have been used on the total items column. The sum() function could be a better option.

b) orderAm = order_amount.sum()

totItems= total.items.sum()

c) orderAm/totItems

Question 2

a) create view Speedy_Exp_Orders AS

SELECT Orders.OrderID, Orders.ShipperID, Shippers.ShipperName

from Orders

Join Shippers on Shippers.ShipperID= Orders.ShipperID;

select count(*) from [Speedy_Exp_Orders]

where ShipperName= 'Speedy Express';

Output is 54 orders.

b) create view Most_Emp_Orders as
select Orders.OrderID, Orders.EmployeeID, Employees.LastName
from Orders join Employees
on Employees.EmployeeID= Orders.EmployeeID;

select count(*), LastName
from Most_Emp_Orders
Group by LastName
Order by count(*) desc;

Output: The most orders is 40 by Peacock.

c) create view Most_Prod_Orders AS
select Orders.OrderID, OrderDetails.Quantity, Customers.country,
Products.ProductName
from Orders, OrderDetails
join Customers on Orders.CustomerID = Customers.CustomerID
join Products on OrderDetails.ProductID= Products.ProductID
where Country = 'Germany';

select max(Quantity),ProductName
from Most_Prod_Orders

Output is 120 quantity.