/\*List all customer cities that have at least two customers

Select C.City, Count(CustomerID) as [Counted Customers] from Customers as C

Group by C.City

Having Count(CustomerID) >=2

Select C.City, Count(CustomerID) as [Counted Customers] from Customers as C

Group by C.City

Having Count(CustomerID) >2

Union

Select C.City, Count(CustomerID) as [Counted Customers] from Customers as C

Group by C.City

Having Count(CustomerID) =2

Select C.City, COUNT(CustomerID) as [Counted Customers] from Customers as C

where C.City IN (Select C.City from Customers as C

Group by C.City

Having Count(CustomerID)>=2)

Group by C.City\*/

/\*List all Customer Cities that have ordered at least two different kinds of products.

select DISTINCT C.City, Count(DISTINCT ProductID) as [Counted Products] from Customers as C

Inner Join orders as O

on C.CustomerID=O.CustomerID

Inner Join [Order Details] as OD

on OD.OrderID=O.OrderID

Group by C.City

Having Count(DISTINCT ProductID)>=2\*/

/\*7. List all Customers who have ordered products, but have the 'ship city'

on the order different from their own customer cities.

select DISTINCT C.CustomerID, C.CompanyName as [Resident City], O.ShipCity as [Shipping City]

from Customers as C

Join Orders as O

on C.CustomerID=O.CustomerID

where C.City != O.ShipCity\*/

/\*8. List 5 most popular products, their average price, and the customer city that

ordered most quantity of it.

select TOP 5 OD.productID, SUM(Quantity) as [Most Popular Products], AVG(OD.UnitPrice)

as [Average Price], C.City

from [Order Details] as OD, Customers as C, Orders as O

where OD.OrderID=O.OrderId AND O.CustomerID=C.CustomerID

group by OD. ProductID, C.City

Order by SUM(Quantity) DESC\*/

/\*9.List all cities that have never ordered something but we have employees there.

Select DISTINCT E.EmployeeID, E.City from Employees as E

where E.City NOT IN(select O.ShipCity from Orders as O)

select DISTINCT E.City from Employees as E

EXCEPT

select O.ShipCity from Orders as O\*/

/\*10. List one city, if exists, that is the city from where the employee sold most orders (not the product quantity) is,

and also the city of most total quantity of products ordered from. (tip: join sub-query)\*/

select TOP 1 O.ShipCity, Count(O.OrderID) as [CountedOrder] from Orders as O

where EXISTS (select TOP 1 O.ShipCity, SUM(OD.Quantity) as [Total Quantity]

from Orders as O, [Order Details] as OD

where O.OrderID=OD.OrderID

Group by O.ShipCity

Order by SUM(OD.Quantity))

Group by O.ShipCity

Order by Count(O.OrderID) DESC