6-69

|  |  |
| --- | --- |
| SELECT customerID, COUNT(orderID) AS NumOrdersFROM Order\_TGroup By customerID; |  |

6-73

|  |  |
| --- | --- |
| SELECT ProductID, COUNT(OrderID) AS FreqOrderedFROM OrderLine\_TGROUP BY productIDORDER BY COUNT(OrderID) DESC; |  |

6-74

|  |  |
| --- | --- |
| SELECT ProductFinsh, AVG(ProductStandardPrice) AS AvgPriceFROM Product\_TGROUP BY ProductFinishOrder BY AVG(ProductStandardPrice); |  |

|  |  |
| --- | --- |
| Caution: To be further verified (didn’t work in Access)SELECT SalesPersonID, COUNT(orderID)FROM Order\_T O JOIN Customer\_T CON O.CustomerID=C.CustomerIDJOIN DoesBusinessIn\_T DBI ON C.CustomerID=DBI.CustomerIDJOIN Territory\_T TerriON Terri.TerritoryID=DBI.TerritoryIDJOIN SalesPerson SPON Terri.TerritoryID=SP.TerritoryIDGROUP BY SalesPersonIDORDER BY COUNT(orderID) DESC; | SELECT SalesPersonID, COUNT(orderID)FROM Order\_T O, Customer\_T C, DoesBusinessIn\_T DBI, Territory\_T Terri, SalesPerson SPWHERE O.CustomerID=C.CustomerIDAND C.CustomerID=DBI.CustomerIDAND Terri.TerritoryID=DBI.TerritoryIDAND Terri.TerritoryID=SP.TerritoryIDGROUP BY SalesPersonIDORDER BY COUNT(orderID) DESC; |

**After-class verification and exploration:**

SELECT …

FROM

 (Territory\_T INNER JOIN

(

(Customer\_T INNER JOIN Order\_T

ON Customer\_T.CustomerID = Order\_T.CustomerID)

INNER JOIN DoesBusinessIn\_T

ON Customer\_T.CustomerID = DoesBusinessIn\_T.CustomerID

)

 ON Territory\_T.TerritoryID = DoesBusinessIn\_T.TerritoryID)

INNER JOIN Salesperson\_T ON Territory\_T.TerritoryID = Salesperson\_T.TerritoryID;

Note 1: INNER JOIN

Note 2: Use parentheses!

Note 3: Since using parentheses could be very complicated, I recommend that we still use the “simpler” method of –

FROM Order\_T O, Customer\_T C, DoesBusinessIn\_T DBI, Territory\_T Terri, SalesPerson SP

WHERE O.CustomerID=C.CustomerID

AND C.CustomerID=DBI.CustomerID

AND Terri.TerritoryID=DBI.TerritoryID

AND Terri.TerritoryID=SP.TerritoryID