6-69

|  |  |
| --- | --- |
| SELECT customerID, COUNT(orderID) AS NumOrders  FROM Order\_T  Group By customerID; |  |

6-73

|  |  |
| --- | --- |
| SELECT ProductID, COUNT(OrderID) AS FreqOrdered  FROM OrderLine\_T  GROUP BY productID  ORDER BY COUNT(OrderID) DESC; |  |

6-74

|  |  |
| --- | --- |
| SELECT ProductFinsh, AVG(ProductStandardPrice) AS AvgPrice  FROM Product\_T  GROUP BY ProductFinish  Order BY AVG(ProductStandardPrice); |  |

|  |  |
| --- | --- |
| Caution: To be further verified (didn’t work in Access)  SELECT SalesPersonID, COUNT(orderID)  FROM Order\_T O JOIN Customer\_T C  ON O.CustomerID=C.CustomerID  JOIN DoesBusinessIn\_T DBI  ON C.CustomerID=DBI.CustomerID  JOIN Territory\_T Terri  ON Terri.TerritoryID=DBI.TerritoryID  JOIN SalesPerson SP  ON Terri.TerritoryID=SP.TerritoryID  GROUP BY SalesPersonID  ORDER BY COUNT(orderID) DESC; | SELECT SalesPersonID, COUNT(orderID)  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  GROUP BY SalesPersonID  ORDER 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