

## Domas Budrys A2 -CSCI 5020 Screenshots

### Ch3Ex1:

ch3ex1.sql - DOM...omo-PC\Domo (51)) X

```
USE MyGuitarShop;  
  
SELECT ProductCode, ProductName, ListPrice, DiscountPercent  
FROM Products  
ORDER BY ListPrice DESC
```

100 %

Results Messages

|    | ProductCode | ProductName                          | ListPrice | DiscountPercent |
|----|-------------|--------------------------------------|-----------|-----------------|
| 1  | sg          | Gibson SG                            | 2517.00   | 52.00           |
| 2  | les_paul    | Gibson Les Paul                      | 1199.00   | 30.00           |
| 3  | precision   | Fender Precision                     | 799.99    | 30.00           |
| 4  | tama        | Tama 5-Piece Drum Set with Cymbals   | 799.99    | 15.00           |
| 5  | ludwig      | Ludwig 5-piece Drum Set with Cymbals | 699.99    | 30.00           |
| 6  | strat       | Fender Stratocaster                  | 699.00    | 30.00           |
| 7  | hofner      | Hofner Icon                          | 499.99    | 25.00           |
| 8  | fg700s      | Yamaha FG700S                        | 489.99    | 38.00           |
| 9  | rodriguez   | Rodriguez Caballero 11               | 415.00    | 39.00           |
| 10 | washburn    | Washburn D10S                        | 299.00    | 0.00            |

### Ch3Ex2:

ch3ex2.sql - DOM...omo-PC\Domo (53)) X ch3ex1.sql - DOM...omo-PC\Domo (51))

```
USE MyGuitarShop;  
  
SELECT ProductName, ListPrice, DateAdded  
FROM Products  
WHERE ListPrice > 500 AND ListPrice < 2000  
ORDER BY DateAdded DESC
```

100 %



Results



Messages

|   | ProductName                          | ListPrice | DateAdded               |
|---|--------------------------------------|-----------|-------------------------|
| 1 | Tama 5-Piece Drum Set with Cymbals   | 799.99    | 2012-07-30 13:14:15.000 |
| 2 | Ludwig 5-piece Drum Set with Cymbals | 699.99    | 2012-07-30 12:46:40.000 |
| 3 | Fender Precision                     | 799.99    | 2012-06-01 11:29:35.000 |
| 4 | Gibson Les Paul                      | 1199.00   | 2011-12-05 16:33:13.000 |
| 5 | Fender Stratocaster                  | 699.00    | 2011-10-30 09:32:40.000 |

### Ch3Ex3:

ch3ex3.sql - DOM...omo-PC\Domo (54)) × ch3ex2.sql - DOM...omo-PC\Domo (53))

```
USE MyGuitarShop;  
  
SELECT OrderID, OrderDate, ShipDate  
FROM Orders  
WHERE ShipDate IS NULL
```

100 %

Results Messages

|   | OrderID | OrderDate               | ShipDate |
|---|---------|-------------------------|----------|
| 1 | 32      | 2012-05-01 01:23:23.000 | NULL     |
| 2 | 38      | 2012-05-08 11:41:24.000 | NULL     |
| 3 | 39      | 2012-05-08 22:22:26.000 | NULL     |
| 4 | 40      | 2012-05-08 21:41:29.000 | NULL     |
| 5 | 41      | 2012-05-09 07:52:55.000 | NULL     |

#### Ch3Ex4:

```
SELECT 100 AS Price,  
       0.07 AS TaxRate,  
       100 * 0.07 AS TaxAmount, 100 * 0.07 + 100 AS Total
```

00 %

Results Messages

|   | Price | TaxRate | TaxAmount | Total  |
|---|-------|---------|-----------|--------|
| 1 | 100   | 0.07    | 7.00      | 107.00 |

#### Ch4Ex1:

```
USE MyGuitarShop;  
  
SELECT FirstName, LastName, Line1, City, State, ZipCode  
FROM Customers AS C  
JOIN Addresses AS A  
ON C.CustomerID = A.CustomerID  
WHERE A.AddressID = C.ShippingAddressID
```

100 %

|    | FirstName | LastName  | Line1                   | City          | State | ZipCode |
|----|-----------|-----------|-------------------------|---------------|-------|---------|
| 1  | Allan     | Sherwood  | 100 East Ridgewood Ave. | Paramus       | NJ    | 07652   |
| 2  | Bary      | Zimmer    | 16285 Wendell St.       | Omaha         | NE    | 68135   |
| 3  | Christine | Brown     | 19270 NW Cornell Rd.    | Beaverton     | OR    | 97006   |
| 4  | David     | Goldstein | 186 Vermont St.         | San Francisco | CA    | 94110   |
| 5  | Erin      | Valentino | 6982 Palm Ave.          | Fresno        | CA    | 93711   |
| 6  | Frank Lee | Wilson    | 23 Mountain View St.    | Denver        | CO    | 80208   |
| 7  | Gary      | Hernandez | 7361 N. 41st St.        | New York      | NY    | 10012   |
| 8  | Heather   | Esway     | 2381 Buena Vista St.    | Los Angeles   | CA    | 90023   |
| 9  | James     | Butt      | 96950 Hidden Ln         | Aberdeen      | MD    | 21001   |
| 10 | Josephine | Darakjy   | 6980 Dorsett Rd         | Abilene       | KS    | 67410   |
| 11 | Art       | Venere    | 33 State St             | Abilene       | TX    | 79601   |

✓ Query executed su... | DOMO-PC (11.0 RTM) | Domo-PC\Domo (56) | MyGuitarShop | 00:00:00 | 483 rows

## Ch4Ex2:

ch4ex2.sql - DOM...omo-PC\Domo (57) X ch4ex1.sql - DOM...omo-PC\Domo (56)

```
USE MyGuitarShop;

SELECT C.LastName, C.FirstName, O.OrderDate, P.ProductName, OI.ItemPrice,
       OI.DiscountAmount, OI.Quantity
FROM Customers AS C
JOIN Orders AS O
ON C.CustomerID = O.CustomerID

JOIN OrderItems AS OI
ON O.OrderID = OI.OrderID

JOIN Products AS P
ON OI.ProductID = P.ProductID

ORDER BY C.LastName, O.OrderDate, P.ProductName
```

100 %

Results Messages

|    | LastName  | FirstName | OrderDate               | ProductName            | ItemPrice | DiscountAmount |
|----|-----------|-----------|-------------------------|------------------------|-----------|----------------|
| 1  | Albares   | Cammy     | 2012-04-20 08:14:45.000 | Rodriguez Caballero 11 | 699.00    | 209.70         |
| 2  | Amigon    | Minna     | 2012-04-11 08:21:32.000 | Gibson SG              | 799.99    | 240.00         |
| 3  | Brown     | Christine | 2012-03-30 15:22:31.000 | Gibson Les Paul        | 1199.00   | 359.70         |
| 4  | Butt      | James     | 2012-04-04 06:24:44.000 | Rodriguez Caballero 11 | 699.00    | 209.70         |
| 5  | Caldarera | Kiley     | 2012-04-17 17:40:22.000 | Rodriguez Caballero 11 | 699.00    | 209.70         |
| 6  | Caudy     | Chanel    | 2012-05-09 07:52:55.000 | Hofner Icon            | 489.99    | 186.20         |
| 7  | Caudy     | Chanel    | 2012-05-09 07:52:55.000 | Rodriguez Caballero 11 | 699.00    | 209.70         |
| 8  | Darakjy   | Josephine | 2012-04-04 08:15:12.000 | Fender Stratocaster    | 2517.00   | 1308.84        |
| 9  | Dilliard  | Leota     | 2012-04-06 18:41:53.000 | Rodriguez Caballero 11 | 699.00    | 209.70         |
| 10 | Esway     | Heather   | 2012-04-03 14:59:20.000 | Fender Precision       | 499.99    | 125.00         |

Query executed suc... | DOMO-PC (11.0 RTM) | Domo-PC\Domo (57) | MyGuitarShop | 00:00:00 | 47 rows

#### Ch4Ex3:

```
USE MyGuitarShop;  
  
SELECT P1.ProductID , P1. ProductName, P1.ListPrice  
FROM Products AS P1, Products AS P2  
WHERE P1.ProductID <> P2.ProductID  
      AND P1.ListPrice = P2.ListPrice
```

100 %



Results



Messages

|   | ProductID | ProductName                        | ListPrice |
|---|-----------|------------------------------------|-----------|
| 1 | 10        | Tama 5-Piece Drum Set with Cymbals | 799.99    |
| 2 | 7         | Fender Precision                   | 799.99    |

#### Ch4Ex4:

ch4ex4.sql - DOM...omo-PC\Domo (59)) × ch4ex3.sql - DOM..

```
USE MyGuitarShop;  
  
SELECT C.CategoryName, P.ProductID  
FROM Products As P  
FULL OUTER JOIN Categories AS C  
ON P.CategoryID = C.CategoryID  
WHERE P.ProductID IS NULL
```

100 %



Results



Messages

|   | CategoryName | ProductID |
|---|--------------|-----------|
| 1 | Keyboards    | NULL      |



#### Ch4Ex5:

ch4ex5.sql - DOM...omo-PC\Domo (60)) X ch4ex4.sql - DOM...omo-PC\Domo (59))

```
USE MyGuitarShop;

SELECT 'NOT SHIPPED' AS ShipStatus, OrderID, OrderDate
FROM Orders
WHERE ShipDate IS NULL

UNION

SELECT 'SHIPPED' AS ShipStatus, OrderID, OrderDate
FROM Orders
WHERE ShipDate IS NOT NULL

ORDER BY OrderDate
```

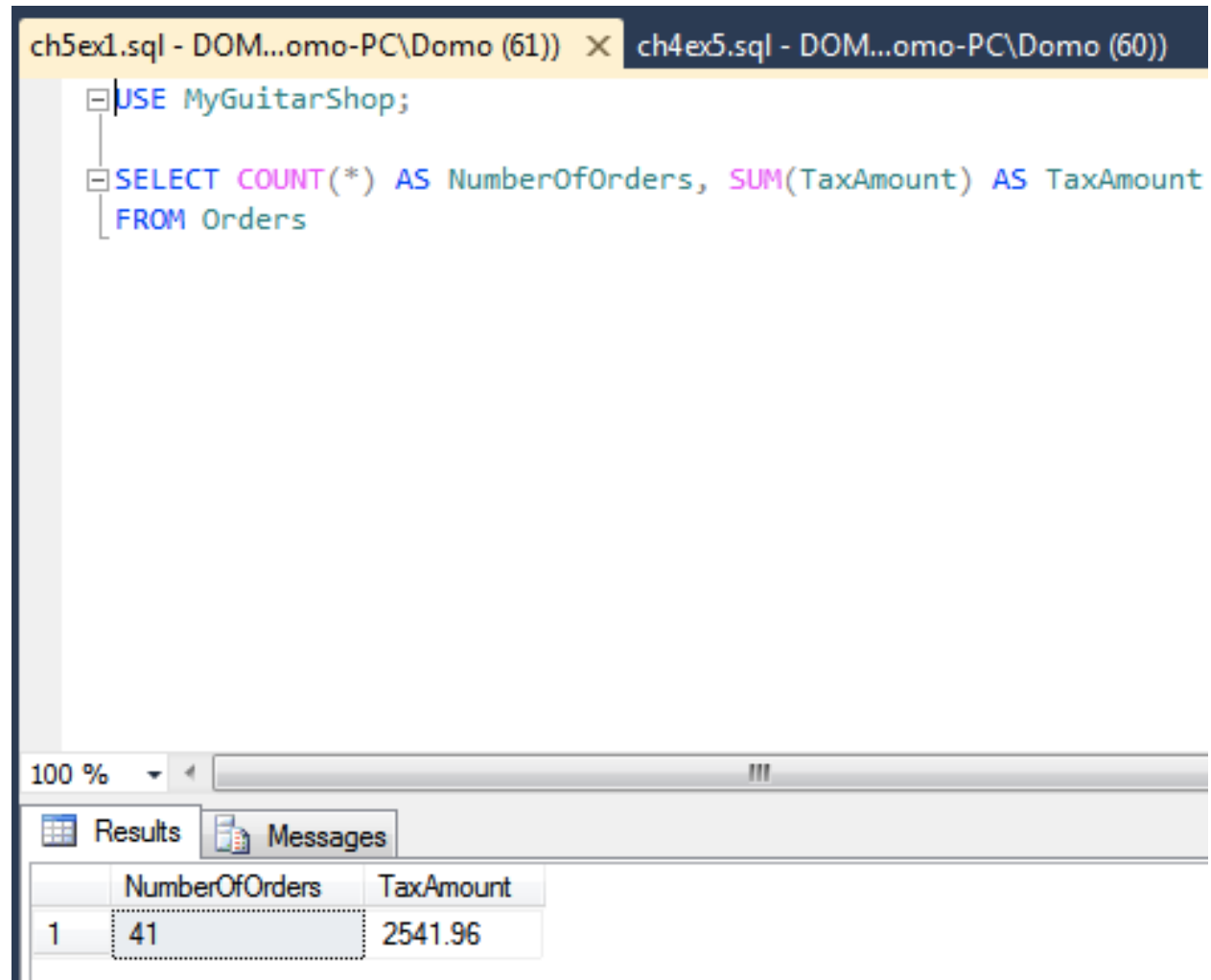
100 %

Results Messages

|    | ShipStatus | OrderID | OrderDate               |
|----|------------|---------|-------------------------|
| 1  | SHIPPED    | 1       | 2012-03-28 09:40:28.000 |
| 2  | SHIPPED    | 2       | 2012-03-28 11:23:20.000 |
| 3  | SHIPPED    | 3       | 2012-03-29 09:44:58.000 |
| 4  | SHIPPED    | 4       | 2012-03-30 15:22:31.000 |
| 5  | SHIPPED    | 5       | 2012-03-31 05:43:11.000 |
| 6  | SHIPPED    | 6       | 2012-03-31 18:37:22.000 |
| 7  | SHIPPED    | 7       | 2012-04-01 23:11:12.000 |
| 8  | SHIPPED    | 8       | 2012-04-02 11:26:38.000 |
| 9  | SHIPPED    | 9       | 2012-04-03 12:22:31.000 |
| 10 | SHIPPED    | 10      | 2012-04-03 14:59:20.000 |
| 11 | SHIPPED    | 11      | 2012-04-04 06:24:44.000 |

✓ Query executed suc... | DOMO-PC (11.0 RTM) | Domo-PC\Domo (60) | MyGuitarShop | 00:00:00 | 41 rows

Ch5Ex1:



The screenshot shows a SQL IDE interface with two tabs at the top: 'ch5ex1.sql - DOM...omo-PC\Domo (61))' and 'ch4ex5.sql - DOM...omo-PC\Domo (60))'. The active tab contains the following SQL code:

```
USE MyGuitarShop;  
  
SELECT COUNT(*) AS NumberOfOrders, SUM(TaxAmount) AS TaxAmount  
FROM Orders
```

Below the code editor, there is a toolbar with a zoom level of '100 %' and a scroll bar. Underneath the toolbar are two tabs: 'Results' and 'Messages'. The 'Results' tab is active and displays a table with the following data:

|   | NumberOfOrders | TaxAmount |
|---|----------------|-----------|
| 1 | 41             | 2541.96   |

## Ch5Ex2:

ch5ex2.sql - DOM...omo-PC\Domo (62)) × ch5ex1.sql - DOM...omo-PC\Domo (61))

```
USE MyGuitarShop;  
  
SELECT CategoryName, COUNT(P.CategoryID) AS CountOfProducts,  
       MAX(P.ListPrice) AS MostExpensive  
FROM Categories AS C  
JOIN Products AS P  
ON C.CategoryID = P.CategoryID  
GROUP BY CategoryName
```

100 %



Results



Messages

|   | CategoryName | CountOfProducts | MostExpensive |
|---|--------------|-----------------|---------------|
| 1 | Basses       | 2               | 799.99        |
| 2 | Drums        | 2               | 799.99        |
| 3 | Guitars      | 6               | 2517.00       |

### Ch5Ex3:

ch5ex3.sql - DOM...omo-PC\Domo (63)) × ch5ex2.sql - DOM...omo-PC\Domo (62))

```
USE MyGuitarShop;

SELECT C.EmailAddress, SUM(OI.ItemPrice * OI.Quantity) AS PriceTotal,
       SUM(OI.DiscountAmount * OI.Quantity) AS DiscountPrice
FROM Orders AS O
JOIN Customers AS C
ON O.CustomerID = C.CustomerID

JOIN OrderItems AS OI
ON O.OrderID = OI.OrderID

GROUP BY C.EmailAddress
ORDER BY PriceTotal DESC
```

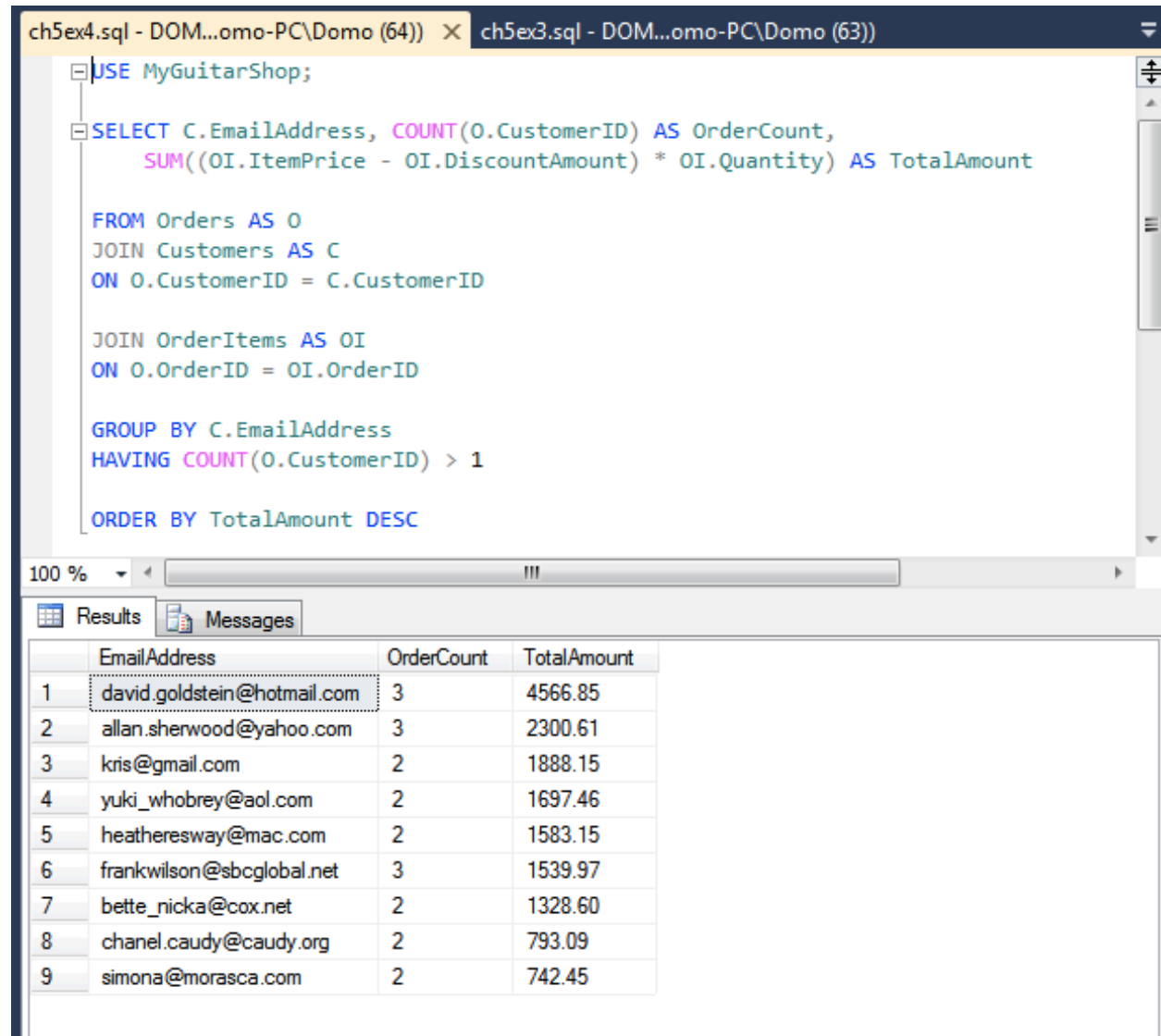
100 %

Results Messages

|    | EmailAddress                  | PriceTotal | DiscountPrice |
|----|-------------------------------|------------|---------------|
| 1  | david.goldstein@hotmail.com   | 6395.95    | 1829.10       |
| 2  | allan.sherwood@yahoo.com      | 4131.00    | 1830.39       |
| 3  | kris@gmail.com                | 3316.99    | 1428.84       |
| 4  | yuki_whobrey@aol.com          | 3216.00    | 1518.54       |
| 5  | heatheresway@mac.com          | 3016.99    | 1433.84       |
| 6  | mroyster@royster.com          | 2517.00    | 1308.84       |
| 7  | josephine_darakjy@darakjy.org | 2517.00    | 1308.84       |
| 8  | mattie@aol.com                | 2517.00    | 1308.84       |
| 9  | gruta@cox.net                 | 2398.00    | 719.40        |
| 10 | lpaprocki@hotmail.com         | 2398.00    | 719.40        |
| 11 | sage_wieser@cox.net           | 2398.00    | 719.40        |

✓ Query executed suc... | DOMO-PC (11.0 RTM) | Domo-PC\Domo (63) | MyGuitarShop | 00:00:00 | 35 rows

#### Ch5Ex4:



The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'ch5ex4.sql - DOM...omo-PC\Domo (64))' and 'ch5ex3.sql - DOM...omo-PC\Domo (63))'. The 'ch5ex4.sql' tab is active, displaying a SQL query. The query is a SELECT statement that joins the 'Orders' table (aliased as O) with the 'Customers' table (aliased as C) on 'CustomerID', and the 'OrderItems' table (aliased as OI) on 'OrderID'. It calculates the 'OrderCount' as the count of orders per customer and the 'TotalAmount' as the sum of (ItemPrice - DiscountAmount) \* Quantity for each order. The results are grouped by 'EmailAddress', filtered by 'HAVING COUNT(O.CustomerID) > 1', and ordered by 'TotalAmount' in descending order.

```
USE MyGuitarShop;

SELECT C.EmailAddress, COUNT(O.CustomerID) AS OrderCount,
       SUM((OI.ItemPrice - OI.DiscountAmount) * OI.Quantity) AS TotalAmount

FROM Orders AS O
JOIN Customers AS C
ON O.CustomerID = C.CustomerID

JOIN OrderItems AS OI
ON O.OrderID = OI.OrderID

GROUP BY C.EmailAddress
HAVING COUNT(O.CustomerID) > 1

ORDER BY TotalAmount DESC
```

Below the query editor, the 'Results' tab is selected, showing a table with 9 rows and 4 columns: 'EmailAddress', 'OrderCount', and 'TotalAmount'. The first row is highlighted with a dotted border.

|   | EmailAddress                | OrderCount | TotalAmount |
|---|-----------------------------|------------|-------------|
| 1 | david.goldstein@hotmail.com | 3          | 4566.85     |
| 2 | allan.sherwood@yahoo.com    | 3          | 2300.61     |
| 3 | kris@gmail.com              | 2          | 1888.15     |
| 4 | yuki_whobrey@aol.com        | 2          | 1697.46     |
| 5 | heatheresway@mac.com        | 2          | 1583.15     |
| 6 | frankwilson@sbcglobal.net   | 3          | 1539.97     |
| 7 | bette_nicka@cox.net         | 2          | 1328.60     |
| 8 | chanel.caudy@caudy.org      | 2          | 793.09      |
| 9 | simona@morasca.com          | 2          | 742.45      |

## Ch5Ex5:

ch5ex5.sql - DOM...omo-PC\Domo (65) X ch5ex4.sql - DOM...omo-PC\Domo (64)

```
USE MyGuitarShop;  
  
SELECT P.ProductName, SUM(OI.ItemPrice * Quantity) - SUM(OI.DiscountAmount * Qua  
FROM Products AS P  
JOIN OrderItems AS OI  
ON P.ProductID = OI.ProductID  
  
GROUP BY P.ProductName WITH ROLLUP
```

100 %

Results Messages

|    | ProductName                          | TotalAmount |
|----|--------------------------------------|-------------|
| 1  | Fender Precision                     | 749.98      |
| 2  | Fender Stratocaster                  | 8457.12     |
| 3  | Gibson Les Paul                      | 10071.60    |
| 4  | Gibson SG                            | 5039.91     |
| 5  | Hofner Icon                          | 911.37      |
| 6  | Ludwig 5-piece Drum Set with Cymbals | 506.30      |
| 7  | Rodriguez Caballero 11               | 6850.20     |
| 8  | Tama 5-Piece Drum Set with Cymbals   | 1196.00     |
| 9  | Washburn D10S                        | 1469.97     |
| 10 | Yamaha FG700S                        | 2039.97     |
| 11 | NULL                                 | 37292.42    |

Query executed suc... | DOMO-PC (11.0 RTM) | Domo-PC\Domo (65) | MyGuitarShop | 00:00:00 | 11 rows