

Domas Budrys A3 -CSCI 5020 Screenshots

Ch6Ex1:

SQLQuery1.sql - D:\...omo-PC\domo (57))* X

```
USE MyGuitarShop;  
  
SELECT DISTINCT CategoryName  
FROM Categories as C  
JOIN Products as P  
    ON C.CategoryID = P.CategoryID  
ORDER BY CategoryName;  
  
SELECT CategoryName  
FROM Categories as C  
WHERE C.CategoryID IN  
    (SELECT DISTINCT P.CategoryID FROM Products as P )  
ORDER BY C.CategoryName;
```

100 %

Results Messages

	CategoryName
1	Basses
2	Drums
3	Guitars

	CategoryName
1	Basses
2	Drums
3	Guitars

Ch6Ex3:

ch6ex3.sql - DOM...omo-PC\domo (56)) × ch6ex1.sql - DOM...omo-PC\

```
USE MyGuitarShop;  
  
SELECT CategoryName  
FROM Categories as C  
WHERE C.CategoryID NOT IN  
      (SELECT P.CategoryID FROM Products as P )  
ORDER BY C.CategoryName;
```

100 %

Results Messages

	CategoryName
1	Keyboards

Ch6Ex4:

First SELECT:

```
USE MyGuitarShop;

SELECT C.EmailAddress, O.OrderID,
SUM((OI.ItemPrice - OI.DiscountAmount)* OI.Quantity) as OrderTotal
FROM Customers as C
JOIN Orders as O
ON C.CustomerID = O.CustomerID

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

GROUP BY C.EmailAddress, O.OrderID;
```

100 %

Results Messages

	EmailAddress	OrderID	Total
1	allan.sherwood@yahoo.com	1	839.30
2	baryz@gmail.com	2	303.79
3	allan.sherwood@yahoo.com	3	1461.31
4	christineb@solarone.com	4	1678.60
5	david.goldstein@hotmail.com	5	299.00
6	erinv@gmail.com	6	299.00
7	frankwilson@sbcglobal.net	7	1539.97
8	gary_hernandez@yahoo.com	8	679.99
9	david.goldstein@hotmail.com	9	1467.90
10	heatheresway@mac.com	10	374.99
11	jbutt@gmail.com	11	489.30

Second SELECT:

SQLQuery4.sql - D:\omo-PC\domo (55))

SQLQuery3.sql - D:\omo-PC\domo (54))* X

```
-- Second Query
SELECT EmailAddress, MAX(OrderTotal) as MaxOrder
FROM
(
  SELECT C.EmailAddress, O.OrderID,
  SUM((OI.ItemPrice - OI.DiscountAmount)* OI.Quantity) as OrderTotal
  FROM Customers as C
  JOIN Orders as O
  ON C.CustomerID = O.CustomerID
  JOIN OrderItems as OI
  ON O.OrderID = OI.OrderID
  GROUP BY C.EmailAddress, O.OrderID
) AS part2
GROUP BY EmailAddress
```

100 %

Results Messages

	EmailAddress	MaxOrder
1	alisha@slusarski.com	1678.60
2	allan.sherwood@yahoo.com	1461.31
3	allene_iturbide@cox.net	489.30
4	amaclead@gmail.com	489.30
5	art@venere.org	679.99
6	baryz@gmail.com	303.79
7	bette_nicka@cox.net	839.30
8	calbares@gmail.com	489.30
9	chanel.caudy@caudy.org	793.09
10	christineb@solarone.com	1678.60
11	david.goldstein@hotmail.com	2799.95

Ch7Ex1:

SQLQuery5.sql - D...omo-PC\domo (54))* X

```
USE MyGuitarShop;  
  
INSERT INTO Categories(CategoryName)  
VALUES ('Brass');  
  
SELECT * FROM Categories;
```

100 %



Results



Messages

	CategoryID	CategoryName
1	2	Basses
2	5	Brass
3	3	Drums
4	1	Guitars
5	4	Keyboards

Ch7Ex2:

```
USE MyGuitarShop;  
  
UPDATE Categories  
SET CategoryName = 'Woodwinds'  
WHERE CategoryID = 5;  
  
SELECT * FROM Categories;
```

100 %

Results Messages

	CategoryID	CategoryName
1	2	Basses
2	3	Drums
3	1	Guitars
4	4	Keyboards
5	5	Woodwinds

Ch7Ex3:

SQLQuery8.sql - D...omo-PC\domo (57))* X

```
USE MyGuitarShop;  
  
DELETE FROM Categories  
WHERE CategoryID = 5;  
  
SELECT * FROM Categories;
```

100 %

Results Messages

	CategoryID	CategoryName
1	2	Basses
2	3	Drums
3	1	Guitars
4	4	Keyboards

Ch7Ex7:

```
USE MyGuitarShop;  
  
INSERT INTO Customers (EmailAddress, Password, FirstName, LastName,  
VALUES ('rick@raven.com', '', 'Rick', 'Raven');  
  
SELECT * FROM Customers;
```

100 %

Results Messages

	CustomerID	EmailAddress	Password
478	478	ryan@cox.net	67c4bd033af41cd1a24c4df9f25de8b1051ce3
479	479	jess.chaffins@chaffins.org	7c3d3035e1d89f58f494c7e27b4d6afc00a740
480	480	sbourbon@yahoo.com	e6bf7d0c9dd491dd289b356d3f7f285435a626
481	481	nickolas_juvera@cox.net	77f602baf770e3618da53c0883d7c9bc82eca
482	482	gary_nunlee@nunlee.org	915e9617c8f0fb88e182a870a79129ae61c7ef
483	483	diane@cox.net	fba3f2a325a4e4eaf5992cbcc910ef91ecee31f
484	484	roslyn.chavous@chavous.org	3bf8ab2bdbbc781f2000472c4fd9d86d6433ccc
485	485	glory@yahoo.com	31c689d737359ce214d095f5b0bcf6de82e57f
486	486	rick@raven.com	

Ch7Ex8:

```
USE MyGuitarShop;

UPDATE Customers
SET Password = 'secret'
WHERE EmailAddress = 'rick@raven.com';

SELECT * FROM Customers;
```

100 %

Results Messages

	CustomerID	EmailAddress	Password
478	478	ryan@cox.net	67c4bd033af41cd1a24c4df9f25de8b1051ce3
479	479	jess.chaffins@chaffins.org	7c3d3035e1d89f58f494c7e27b4d6afc00a740
480	480	sbourbon@yahoo.com	e6bf7d0c9dd491dd289b356d3f7f285435a626
481	481	nickolas_juvera@cox.net	77f602baf770e3618da53c0883d7c9bc82eca
482	482	gary_nunlee@nunlee.org	915e9617c8f0fb88e182a870a79129ae61c7ef
483	483	diane@cox.net	fba3f2a325a4e4eaf5992cbcc910ef91ecee31f
484	484	roslyn.chavous@chavous.org	3bf8ab2bdbc781f2000472c4fd9d86d6433ccd
485	485	glory@yahoo.com	31c689d737359ce214d095f5b0bcf6de82e57f
486	486	rick@raven.com	secret

Ch7Ex10:

SQLQuery12.sql -...omo-PC\domo (56))* X

```

=====
* This script creates the database named my_guitar_shop
=====
USE master;
GO
|
IF DB_ID('MyGuitarShop') IS NOT NULL
DROP DATABASE MyGuitarShop;
GO

CREATE DATABASE MyGuitarShop;
GO

USE MyGuitarShop;

-- create the tables for the database

```

100 %



Messages

(4 row(s) affected)
(10 row(s) affected)
(485 row(s) affected)
(512 row(s) affected)
(41 row(s) affected)
(47 row(s) affected)
(3 row(s) affected)

100 %

Ch8Ex1:

```
USE MyGuitarShop;  
  
SELECT CAST(ListPrice AS DECIMAL(12, 1)) AS CastColumnDecimal,  
       CONVERT(int, ListPrice) AS ConvertColumn,  
       CAST(ListPrice AS int) AS CastColumnInt  
FROM Products
```

.00 %

Results Messages

	CastColumnDecimal	ConvertColumn	CastColumnInt
1	699.0	699	699
2	1199.0	1199	1199
3	2517.0	2517	2517
4	490.0	490	490
5	299.0	299	299
6	415.0	415	415
7	800.0	800	800
8	500.0	500	500
9	700.0	700	700
10	800.0	800	800

Ch8Ex3:

ch8ex3.sql - DOM...omo-PC\domo (54)) × ch8ex1.sql - DOM...omo-PC\domo (51))*

```
USE MyGuitarShop;  
  
SELECT CONVERT(varchar, OrderDate, 101) AS [MM/DD/YYYY],  
       CONVERT (varchar, OrderDate, 100) AS [mon dd yyyy hh:mm AM (or  
       CONVERT (varchar, OrderDate, 108) AS [hh:mm:ss]  
FROM Orders;
```

100 %

Results Messages

	MM/DD/YYYY	mon dd yyyy hh:mm AM (or PM)	hh:mm:ss
1	03/28/2012	Mar 28 2012 9:40AM	09:40:28
2	03/28/2012	Mar 28 2012 11:23AM	11:23:20
3	03/29/2012	Mar 29 2012 9:44AM	09:44:58
4	03/30/2012	Mar 30 2012 3:22PM	15:22:31
5	03/31/2012	Mar 31 2012 5:43AM	05:43:11
6	03/31/2012	Mar 31 2012 6:37PM	18:37:22
7	04/01/2012	Apr 1 2012 11:11PM	23:11:12
8	04/02/2012	Apr 2 2012 11:26AM	11:26:38
9	04/03/2012	Apr 3 2012 12:22PM	12:22:31
10	04/03/2012	Apr 3 2012 2:59PM	14:59:20
11	04/04/2012	Apr 4 2012 6:24AM	06:24:44

DOMO-PC\SQL2012 (11.0 SP2) | domo-PC\domo (54) | MyGuitarShop | 00:00:00 | 41 rows

Ch9Ex2:

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a query script with the following T-SQL code:

```
USE MyGuitarShop;  
  
SELECT YEAR(OrderDate) AS [Year],  
       DAY(OrderDate) AS [Day],  
       DATEADD(day, 30, OrderDate) AS Added30Days  
FROM Orders
```

The bottom pane shows the 'Results' tab with a table containing 11 rows of data. The columns are Year, Day, and Added30Days. The data shows dates from April 27, 2012, to May 4, 2012, with the 'Added30Days' column showing the date 30 days later.

	Year	Day	Added30Days
1	2012	28	2012-04-27 09:40:28.000
2	2012	28	2012-04-27 11:23:20.000
3	2012	29	2012-04-28 09:44:58.000
4	2012	30	2012-04-29 15:22:31.000
5	2012	31	2012-04-30 05:43:11.000
6	2012	31	2012-04-30 18:37:22.000
7	2012	1	2012-05-01 23:11:12.000
8	2012	2	2012-05-02 11:26:38.000
9	2012	3	2012-05-03 12:22:31.000
10	2012	3	2012-05-03 14:59:20.000
11	2012	4	2012-05-04 06:24:44.000

The status bar at the bottom indicates the connection is 'DOMO-PC\SQL2012 (11.0 SP2)', the database is 'domo-PC\domo (57)', the schema is 'MyGuitarShop', the execution time is '00:00:00', and there are '41 rows' in total.

Ch9Ex3:

```
USE MyGuitarShop;

SELECT CardNumber, LEN(CardNumber) as Length,
       RIGHT(CardNumber, 4) AS Last4Digits,
       REPLACE(CardNumber, LEFT(CardNumber, 12), 'XXXX-XXXX-XXXX-' ) AS
FROM Orders
```

100 %

Results Messages

	CardNumber	Length	Last4Digits	HiddenDigits
1	4111111111111111	16	1111	XXXX-XXXX-XXXX-1111
2	4012888888881881	16	1881	XXXX-XXXX-XXXX-1881
3	4111111111111111	16	1111	XXXX-XXXX-XXXX-1111
4	3782822463100005	16	0005	XXXX-XXXX-XXXX-0005
5	4111111111111111	16	1111	XXXX-XXXX-XXXX-1111
6	6011111111111117	16	1117	XXXX-XXXX-XXXX-1117
7	5555555555554444	16	4444	XXXX-XXXX-XXXX-4444
8	4012888888881881	16	1881	XXXX-XXXX-XXXX-1881
9	4111111111111111	16	1111	XXXX-XXXX-XXXX-1111
10	4111111111111111	16	1111	XXXX-XXXX-XXXX-1111
11	4012888888881881	16	1881	XXXX-XXXX-XXXX-1881

DOMO-PC\SQL2012 (11.0 SP2) | domo-PC\domo (58) | MyGuitarShop | 00:00:00 | 41 rows

Ch9Ex4:

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a SQL query executed against the 'MyGuitarShop' database. The query selects order details and calculates the shipping duration. The bottom pane shows the results of the query in a table format.

```
USE MyGuitarShop;

SELECT OrderID, OrderDate,
       DATEADD(DAY, 2, OrderDate) AS ApproxShipDate,
       ShipDate,
       DATEDIFF(DAY, OrderDate, ShipDate) AS DaysToShip

FROM Orders
WHERE OrderDate BETWEEN '03/01/2012' AND '04/01/2012';
```

100 %

Results Messages

	OrderID	OrderDate	ApproxShipDate	ShipDate	DaysToShip
1	1	2012-03-28 09:40:28.000	2012-03-30 09:40:28.000	2012-03-31 09:41:11.000	3
2	2	2012-03-28 11:23:20.000	2012-03-30 11:23:20.000	2012-03-31 11:24:03.000	3
3	3	2012-03-29 09:44:58.000	2012-03-31 09:44:58.000	2012-04-01 09:45:41.000	3
4	4	2012-03-30 15:22:31.000	2012-04-01 15:22:31.000	2012-04-02 15:23:14.000	3
5	5	2012-03-31 05:43:11.000	2012-04-02 05:43:11.000	2012-04-03 05:43:54.000	3
6	6	2012-03-31 18:37:22.000	2012-04-02 18:37:22.000	2012-04-03 18:38:05.000	3

Query ex... | DOMO-PC\SQL2012 (11.0 SP2) | domo-PC\domo (59) | MyGuitarShop | 00:00:00 | 6 rows