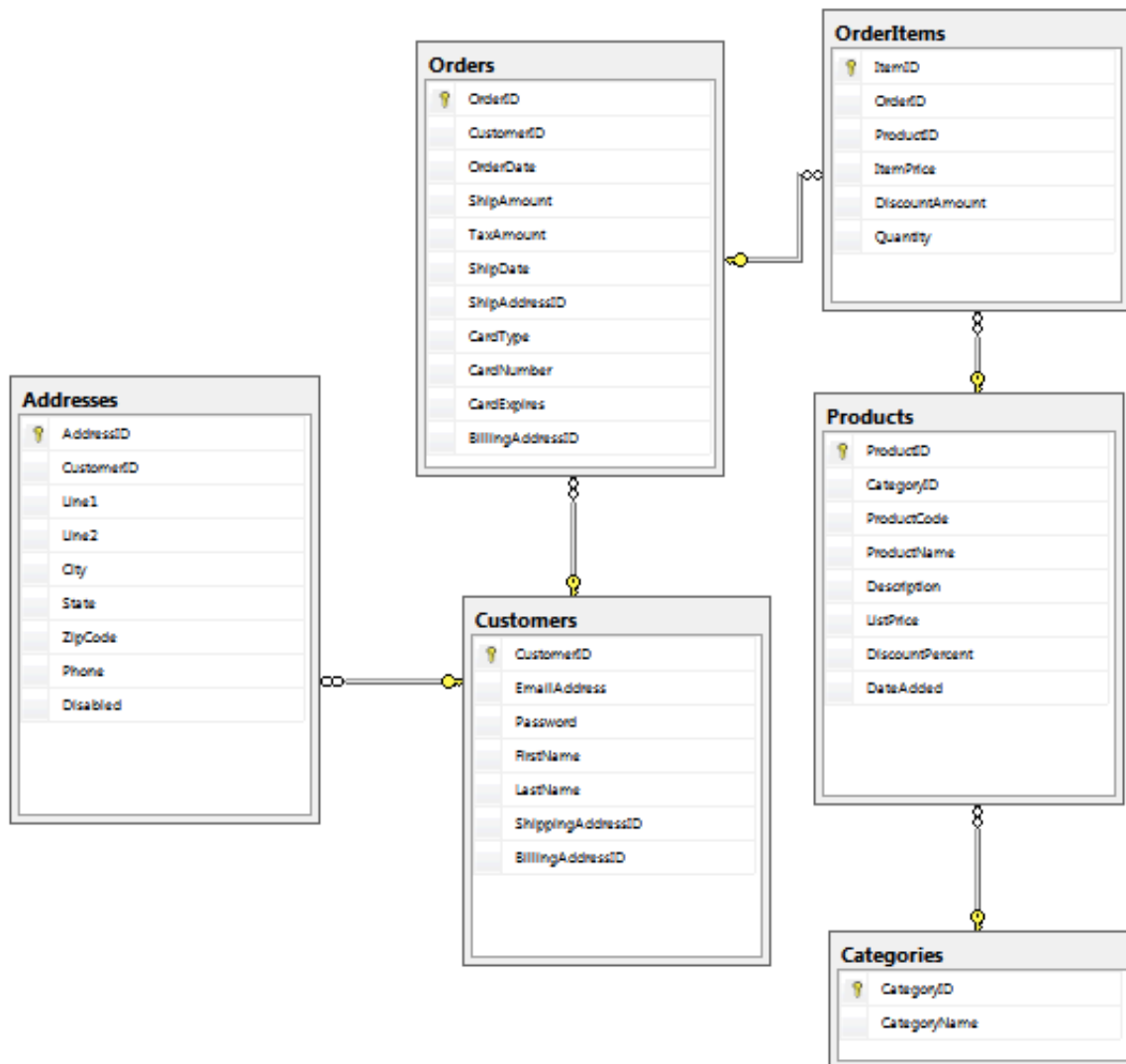


Domas Budrys A4 -CSCI 5020 Screenshots

Ch10Ex1:



Ch11Ex1:

The screenshot displays a SQL Server Enterprise Manager window with two tabs: 'ch11ex1.sql - DO...omo-PC\Domo (53))*' and 'ch11ex3.sql - DO...omo-PC\Domo (56))*'. The active tab shows a SQL script with two commands: 'USE MyGuitarShop;' and 'CREATE INDEX ZipIndex1 ON Addresses (ZipCode);'. Below the script editor, a 'Messages' pane shows the status 'Command(s) completed successfully.' The zoom level is set to 100%.

```
USE MyGuitarShop;  
CREATE INDEX ZipIndex1  
ON Addresses (ZipCode);
```

100 %

Messages
Command(s) completed successfully.

Ch11Ex2:

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure for 'DOMO-PC (SQL Server 11.0.2100 - Domo)'. The 'Databases' folder is expanded, showing 'System Databases', 'MyGuitarShop', and 'MyWebDB'. Under 'MyWebDB', there are 'Database Diagrams', 'Tables' (including 'System Tables', 'FileTables', 'dbo.Downloads', 'dbo.Products', and 'dbo.Users'), 'Views', 'Synonyms', 'Programmability', 'Service Broker', 'Storage', and 'Security'. The main window displays a SQL script named 'ch11ex2.sql - DO...omo-PC\Domo (51)'. The script contains the following commands:

```
USE master;

IF EXISTS (SELECT * FROM sys.databases WHERE name = 'MyWebDB')
DROP DATABASE MyWebDB;

CREATE DATABASE MyWebDB;
GO

USE MyWebDB ;

CREATE TABLE Users(
    UserID INT,
    EmailAddress VARCHAR(255),
    FirstName VARCHAR(255),
    LastName VARCHAR(255),

    CONSTRAINT Users_PK PRIMARY KEY (UserID)
);
```

The Messages pane at the bottom shows the command completed successfully.

Ch11Ex3:

The screenshot shows the SQL Server Enterprise Manager interface. The main window displays a SQL script named 'ch11ex3.sql - DO...omo-PC\Domo (53)'. The script contains the following commands:

```
USE MyWebDB ;

INSERT INTO Products
VALUES
    (1, 'Local Music Vol 1'),
    (2, 'Local Music Vol 2')
;

INSERT INTO Users
VALUES
    (1, 'johnsmith@gmail.com', 'John', 'Smith'),
    (2, 'janedoe@yahoo.com', 'Jane', 'Doe')
;

INSERT INTO Downloads
VALUES
    (1, 1, GETDATE(), 'pedals are falling.mp3', 1).
```

The Results pane at the bottom shows the data inserted into the 'Downloads' table. The table has 7 columns: 'EmailAddress', 'FirstName', 'LastName', 'DownloadDate', 'FileName', and 'ProductName'. The data is as follows:

	EmailAddress	FirstName	LastName	DownloadDate	FileName	ProductName
1	johnsmith@gmail.com	John	Smith	2018-09-26	pedals_are_falling.mp3	Local Music Vol 1
2	janedoe@yahoo.com	Jane	Doe	2018-09-26	tum_signal.mp3	Local Music Vol 1
3	janedoe@yahoo.com	Jane	Doe	2018-09-26	one_house_town.mp3	Local Music Vol 2

Ch11Ex4:

```
USE MyWebDB ;

ALTER TABLE Products
ADD ProductPrice DECIMAL(5,2) NOT NULL DEFAULT(9.99);

ALTER TABLE Products
ADD AddedDate DATE NOT NULL DEFAULT(GETDATE());
```

100 %

Messages

Command(s) completed successfully.

Ch11Ex5:

```
USE MyWebDB ;

ALTER TABLE Users
ALTER COLUMN FirstName CHAR(20) NOT NULL;

UPDATE Users
SET FirstName = null
WHERE UserID = 1;

UPDATE Users
SET FirstName = 'The quick brown foxs jumps over the lazy dog'
WHERE UserID = 1;
```

100 %

Messages

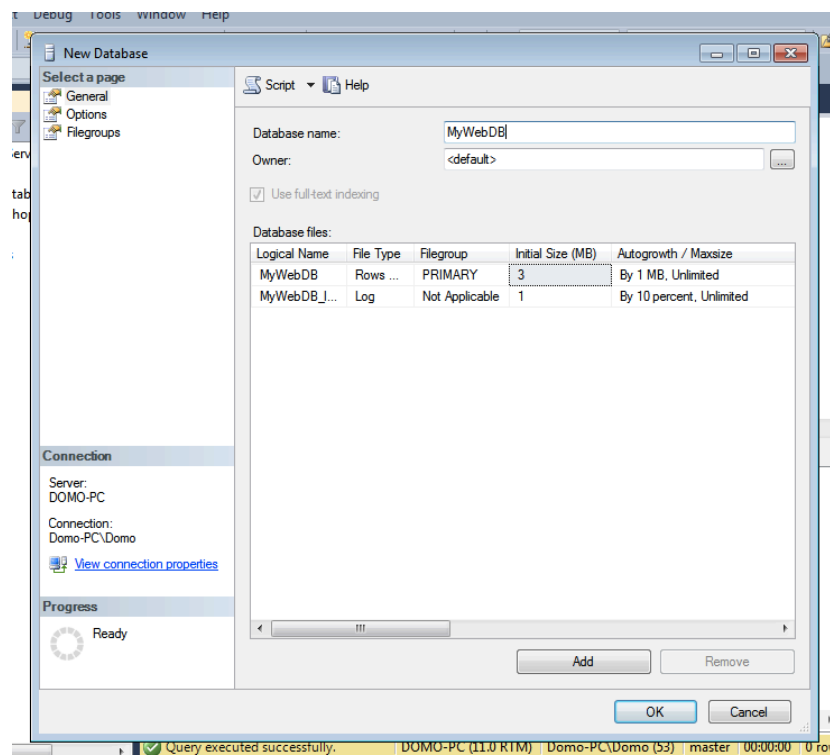
Msg 515, Level 16, State 2, Line 6
Cannot insert the value NULL into column 'FirstName', table 'MyWebDB.dbo.Users'; column
The statement has been terminated.
Msg 8152, Level 16, State 14, Line 10
String or binary data would be truncated.
The statement has been terminated.

Ch12Ex1:

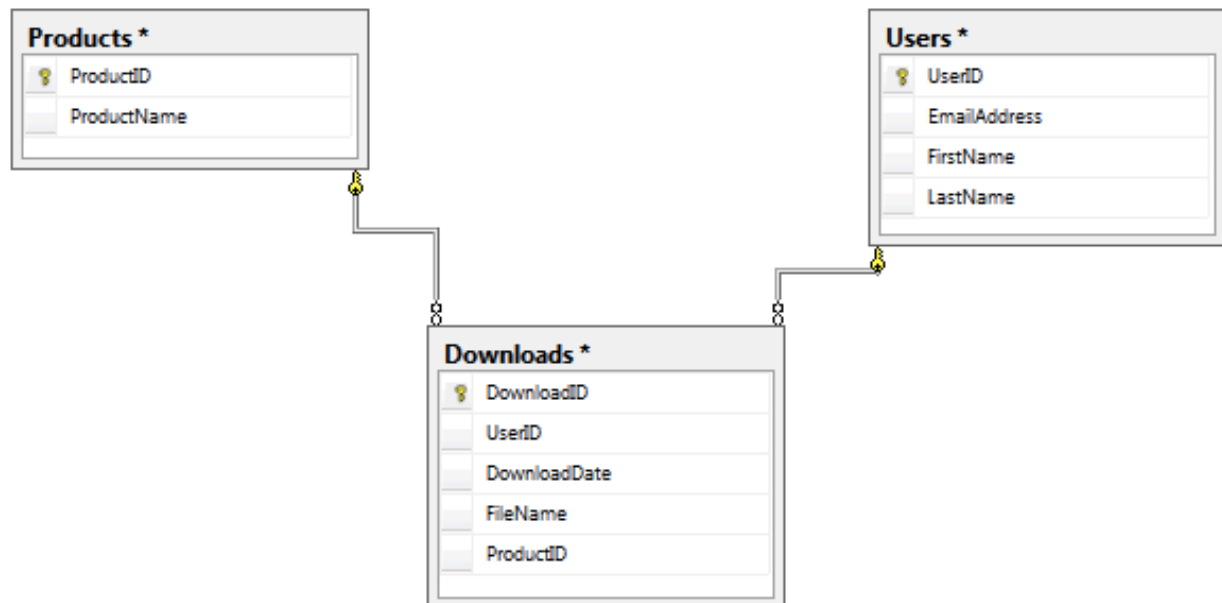
```
USE master;  
  
IF EXISTS (SELECT * FROM sys.databases WHERE name = 'MyWebDB')  
DROP DATABASE MyWebDB;
```

Messages

Command(s) completed successfully.



Ch12Ex2:



Foreign Key Relationships

Selected Relationship:

- FK_Downloads_Products
- FK_Downloads_Users

Editing properties for existing relationship.

▲ (General)

Check Existing Data On Create: Yes

▶ Tables And Columns Specific

▲ Database Designer

Enforce For Replication: Yes

Enforce Foreign Key Constraints: Yes

▶ INSERT And UPDATE Specific

▲ Identity

(Name): FK_Downloads_Products

Description:

Add Delete Close

Ch12Ex3:

SQLQuery1.sql - D:\demo-PC\demo (SS) demo-PC\mywebdb - dbo.users

	Column Name	Data Type	Allow Nulls
PK	UserID	int	<input type="checkbox"/>
	EmailAddress	varchar(50)	<input checked="" type="checkbox"/>
	FirstName	varchar(50)	<input checked="" type="checkbox"/>
	LastName	varchar(50)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

	Column Name	Data Type	Allow Nulls
PK	ProductID	int	<input type="checkbox"/>
	ProductName	varchar(50)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

	Column Name	Data Type	Allow Nulls
PK	DownloadID	int	<input type="checkbox"/>
	UserID	int	<input type="checkbox"/>
	DownloadDate	date	<input type="checkbox"/>
	FileName	varchar(50)	<input type="checkbox"/>
	ProductID	int	<input type="checkbox"/>
			<input type="checkbox"/>

Ch12Ex4:

Column Name	Data Type	Allow Nulls	[Rel] FK_Downloads_Users
DownloadID	int	<input type="checkbox"/>	
UserID	int	<input type="checkbox"/>	
DownloadDate	date	<input type="checkbox"/>	
FileName	varchar(50)	<input type="checkbox"/>	
ProductID	int	<input type="checkbox"/>	

(General)

Check Existing Data On Creation Or Re: Yes

Tables And Columns Specification

Identity

(Name) FK_Downloads_Users

Description

Table Designer

Enforce For Replication: Yes

Enforce Foreign Key Constraint: Yes

INSERT And UPDATE Specification

Column Name	Data Type	Allow Nulls	Properties
DownloadID	int	<input type="checkbox"/>	
UserID	int	<input type="checkbox"/>	
DownloadDate	date	<input type="checkbox"/>	
FileName	varchar(50)	<input type="checkbox"/>	
ProductID	int	<input type="checkbox"/>	

(General)

Check Existing Data On Creation Or Re: Yes

Tables And Columns Specification

Identity

(Name) FK_Downloads_Products

Description

Table Designer

Enforce For Replication: Yes

Enforce Foreign Key Constraint: Yes

INSERT And UPDATE Specification

Ch12Ex5:

	Column Name	Data Type	Allow Nulls
?	ProductID	int	<input type="checkbox"/>
▶	ProductName	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

	Column Name	Data Type	Allow Nulls
?	UserID	int	<input type="checkbox"/>
	EmailAddress	varchar(50)	<input type="checkbox"/>
	FirstName	varchar(50)	<input type="checkbox"/>
▶	LastName	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

	Column Name	Data Type	Allow Nulls
▶?	DownloadID	int	<input type="checkbox"/>
	UserID	int	<input type="checkbox"/>
	DownloadDate	date	<input type="checkbox"/>
	FileName	varchar(50)	<input type="checkbox"/>
	ProductID	int	<input type="checkbox"/>
			<input type="checkbox"/>

Ch12Ex6:

Indexes/Keys

Selected Primary/Unique Key or Index:

- IX_Downloads_Product*
- IX_Downloads_User*
- PK_Downloads

Editing properties for new unique key or index.

(General)

Columns	UserID (ASC)
Is Unique	No
Type	Index

Identity

(Name)	IX_Downloads_User
Description	

Table Designer

Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

Ch12Ex7:

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_Users_Unique*
PK_Users

Editing properties for new unique key or index.

(General)	
Columns	EmailAddress (ASC)
Is Unique	Yes
Type	Unique Key
Identity	
(Name)	IX_Users_Unique
Description	
Table Designer	
Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_Products_Unique*
PK_Products

Editing properties for new unique key or index.

(General)	
Columns	ProductName (ASC)
Is Unique	Yes
Type	Unique Key
Identity	
(Name)	IX_Products_Unique
Description	
Table Designer	
Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

Indexes/Keys

Selected Primary/Unique Key or Index:

IX_Downloads_Product
IX_Downloads_Regular*
IX_Downloads_User
PK_Downloads

Editing properties for new unique key or index.

(General)	
Columns	DownloadDate (ASC)
Is Unique	No
Type	Index
Identity	
(Name)	IX_Downloads_Regular
Description	
Table Designer	
Create As Clustered	No
Data Space Specification	PRIMARY
Fill Specification	

Add Delete Close

Ch13Ex1:

SQLQuery2.sql - D:\omo-PC\Domo (55))* ch13ex1.sql - DO\omo-PC\Domo (54))*

```

FROM Customers AS C
JOIN Addresses AS A_Bill
ON A_Bill.AddressID = C.BillingAddressID

JOIN Addresses AS A_Ship
ON A_Ship.AddressID = C.ShippingAddressID;

SELECT * FROM CustomerAddresses;

```

100 %

Results Messages

	CustomerID	EmailAddress	LastName	FirstName	BillLine1	BillLine2	BillCity	BillState	BillZip	ShipLine1
1	1	allan.sherwood@yahoo.com	Sherwood	Allan	21 Rosewood Rd.		Woodcliff Lake	NJ	07677	100 East Ridgewood Ave.
2	2	baryz@gmail.com	Zimmer	Barry	16285 Wendell St.		Omaha	NE	68135	16285 Wendell St.
3	3	christineb@solarone.com	Brown	Christine	19270 NW Cornell Rd.		Beaverton	OR	97006	19270 NW Cornell Rd.
4	4	david.goldstein@hotmail.com	Goldstein	David	1374 46th Ave.		San Francisco	CA	94129	186 Vermont St.
5	5	erin@gmail.com	Valentino	Erin	6982 Palm Ave.		Fresno	CA	93711	6982 Palm Ave.
6	6	frankwilson@sbcglobal.net	Wilson	Frank Lee	23 Mountain View St.		Denver	CO	80208	23 Mountain View St.
7	7	gary_hernandez@yahoo.com	Hernandez	Gary	3829 Broadway Ave.	Suite 2	New York	NY	10012	7361 N. 41st St.
8	8	heatheresway@mac.com	Esway	Heather	291 W. Hollywood Blvd.		Los Angeles	CA	90024	2381 Buena Vista St.
9	9	jbutt@gmail.com	Butt	James	96950 Hidden Ln		Aberdeen	MD	21001	96950 Hidden Ln
10	10	josephine_darakjy@darakjy.org	Darakjy	Josephine	6980 Dorsett Rd		Abilene	KS	67410	6980 Dorsett Rd
11	11	art@venere.org	Venere	Art	5 E Truman Rd		Abilene	TX	79602	33 State St
12	12	lpaprocki@hotmail.com	Paprocki	Lenna	8284 Hart St		Abilene	KS	67410	8284 Hart St
13	13	donette.foller@cox.net	Foller	Donette	9387 Charcot Ave		Absecon	NJ	8201	9387 Charcot Ave

Query executed successfully. | DOMO-PC (11.0 RTM) | Domo-PC\Domo (54) | MyGuitarShop | 00:00:00 | 485 rows

Ch13Ex2:

```

USE MyGuitarShop;

SELECT CustomerID, LastName, FirstName, BillLine1
FROM CustomerAddresses;

```

100 %

Results Messages

	CustomerID	LastName	FirstName	BillLine1
1	1	Sherwood	Allan	21 Rosewood Rd.
2	293	Hengel	Lavonda	8 Industry Ln
3	291	Kalafatis	Noah	4486 W O St #1
4	298	Mallett	Mirta	7 S San Marcos Rd
5	292	Sweigard	Carmen	3305 Nabell Ave #679
6	288	Keetch	Garry	90991 Thorburn Ave
7	290	Restrepo	Theodora	128 Bransten Rd
8	294	Stoltzman	Junita	229 N Forty Driv
9	7	Hernandez	Gary	3829 Broadway Ave

Ch13Ex3:

```
USE MyGuitarShop;  
UPDATE CustomerAddresses  
SET ShipLine1 = '1990 Westwood Blvd'  
WHERE CustomerID = 8
```

100 %



Messages

(1 row(s) affected)

Ch13Ex4:

CREATE VIEW OrderItemProducts

AS

```
SELECT O.OrderID, P.ProductName, O.OrderDate, O.TaxAmount, O.ShipDate,  
OI.ItemPrice, OI.DiscountAmount, (OI.ItemPrice - OI.DiscountAmount) AS FinalPrice,  
OI.Quantity, ((OI.ItemPrice - OI.DiscountAmount)* OI.Quantity) AS ItemTotal
```

FROM Orders AS O

JOIN OrderItems AS OI

ON O.OrderID = OI.OrderID

JOIN Products AS P

ON P.ProductID = OI.ProductID

%

Messages

Command(s) completed successfully.

SELECT * FROM OrderItemProducts



100 %

Results

Messages

	OrderID	ProductName	OrderDate	TaxAmount	ShipDate	ItemPrice	DiscountAmount	FinalPrice	Quantity	ItemTotal
1	1	Gibson Les Paul	2012-03-28 09:40:28.000	58.75	2012-03-31 09:41:11.000	1199.00	359.70	839.30	1	839.30
2	2	Hofner Icon	2012-03-28 11:23:20.000	21.27	2012-03-31 11:24:03.000	489.99	186.20	303.79	1	303.79
3	3	Fender Stratocaster	2012-03-29 09:44:58.000	102.29	2012-04-01 09:45:41.000	2517.00	1308.84	1208.16	1	1208.16
4	3	Ludwig 5-piece Drum Set with Cymbals	2012-03-29 09:44:58.000	102.29	2012-04-01 09:45:41.000	415.00	161.85	253.15	1	253.15
5	4	Gibson Les Paul	2012-03-30 15:22:31.000	117.50	2012-04-02 15:23:14.000	1199.00	359.70	839.30	2	1678.60
6	5	Tama 5-Piece Drum Set with Cymbals	2012-03-31 05:43:11.000	20.93	2012-04-03 05:43:54.000	299.00	0.00	299.00	1	299.00
7	6	Tama 5-Piece Drum Set with Cymbals	2012-03-31 18:37:22.000	20.93	2012-04-03 18:38:05.000	299.00	0.00	299.00	1	299.00
8	7	Washburn D10S	2012-04-01 23:11:12.000	107.80	2012-04-04 23:11:55.000	699.99	210.00	489.99	1	489.99
9	7	Gibson SG	2012-04-01 23:11:12.000	107.80	2012-04-04 23:11:55.000	799.99	240.00	559.99	1	559.99
10	7	Washburn D10S	2012-04-01 23:11:12.000	107.80	2012-04-04 23:11:55.000	699.99	210.00	489.99	1	489.99
11	8	Yamaha FG700S	2012-04-02 11:26:38.000	47.60	2012-04-05 11:27:21.000	799.99	120.00	679.99	1	679.99
12	9	Rodriguez Caballero 11	2012-04-03 12:22:31.000	102.75	2012-04-06 12:23:14.000	699.00	209.70	489.30	3	1467.90
13	10	Fender Precision	2012-04-03 14:59:20.000	26.25	2012-04-06 15:00:03.000	499.99	125.00	374.99	1	374.99
14	11	Rodriguez Caballero 11	2012-04-04 06:24:44.000	34.25	2012-04-07 06:25:27.000	699.00	209.70	489.30	1	489.30

Ch13Ex5:

```
CREATE VIEW ProductSummary
```

```
AS
```

```
SELECT ProductName, COUNT(OrderID) AS OrderCount, SUM(ItemTotal) AS TotalSale
FROM OrderItemProducts
GROUP BY ProductName
```

%

Messages

Command(s) completed successfully.

```
SELECT * FROM ProductSummary
```

100 %

Results

Messages

	ProductName	OrderCount	TotalSale
1	Fender Precision	2	749.98
2	Fender Stratocaster	7	8457.12
3	Gibson Les Paul	7	10071.60
4	Gibson SG	5	5039.91
5	Hofner Icon	3	911.37
6	Ludwig 5-piece Drum Set with Cymbals	2	506.30
7	Rodriguez Caballero 11	12	6850.20
8	Tama 5-Piece Drum Set with Cymbals	3	1196.00
9	Washburn D10S	3	1469.97
10	Yamaha FG700S	3	2039.97

Ch13Ex6:

```
SET ROWCOUNT 5
SELECT *
FROM ProductSummary
ORDER BY TotalSale DESC
```

00 %

Results		Messages	
	ProductName	OrderCount	TotalSale
1	Gibson Les Paul	7	10071.60
2	Fender Stratocaster	7	8457.12
3	Rodriguez Caballero 11	12	6850.20
4	Gibson SG	5	5039.91
5	Yamaha FG700S	3	2039.97