Domas Budrys A5 -CSCI 5020 Screenshots

Ch14Ex1:

```
ch14ex2.sql - DO...omo-PC\domo (53))*

Ch14ex1.sql - DO...omo-PC\domo (56)) ×

DECLARE @TotalProducts int;

DECLARE @TotalProducts =

(SELECT COUNT(*) FROM Products);

DIF @TotalProducts >=7

PRINT 'The number of products is greater or equal to 7';

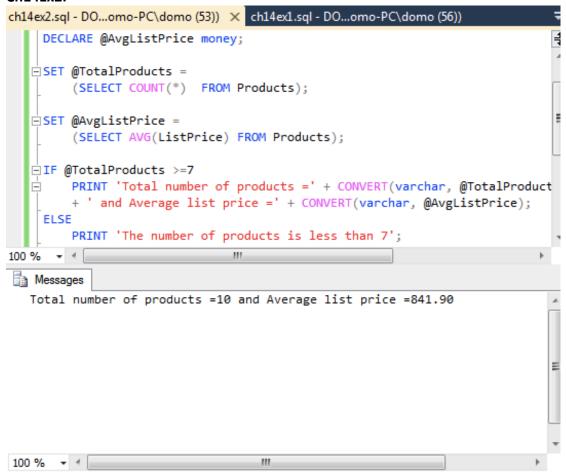
ELSE

PRINT 'The number of products is less than 7';

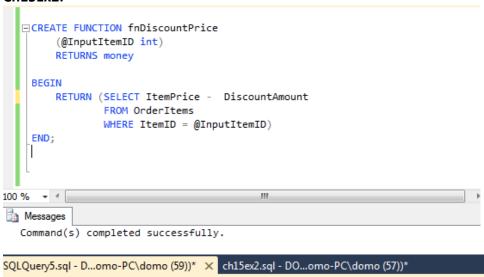
Messages

The number of products is greater or equal to 7
```

Ch14Ex2:



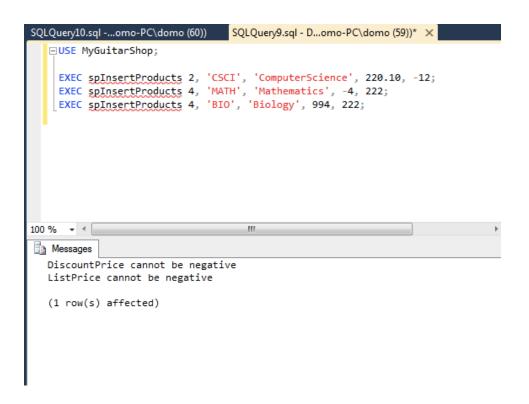
Ch15Ex2:



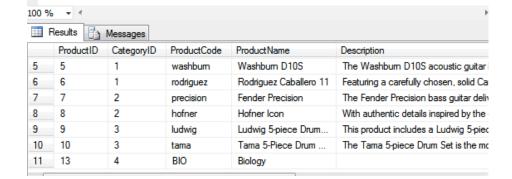


Ch15Ex4:

```
ch15ex4.sql - DO...omo-PC\domo (51))* × SQLQuery11.sql -...omo-PC\domo (61))*
  ☐ CREATE PROC spInsertProducts
         @InputCategoryID int,
         @InputProductCode varchar(255),
         @InputProductName varchar(255),
         @InputListPrice money,
         @InputDiscountPercent money
    AS
         IF (@InputListPrice < 0)</pre>
             PRINT ('ListPrice cannot be negative');
         ELSE IF (@InputDiscountPercent < 0 )</pre>
             PRINT ('DiscountPrice cannot be negative');
         ELSE
             INSERT INTO Products (CategoryID, ProductCode, ProductName,
                                  Description, ListPrice, DiscountPercent, DateAdd
             VALUES (@InputCategoryID, @InputProductCode, @InputProductName,
             '', @InputListPrice, @InputDiscountPercent, GETDATE());
100 % 🕶 🔻
Messages
   Command(s) completed successfully.
100 % - 4
Query e... | DOMO-PC\SQL2012 (11.0 SP2) | domo-PC\domo (51) | MyGuitarShop | 00:00:00 | 0 rows
```

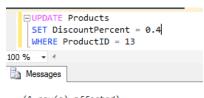






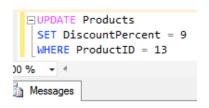
Ch15Ex6:

```
□CREATE TRIGGER Porducts UPDATE
       ON Products
       AFTER UPDATE
    AS
  BEGIN
       DECLARE @UpdatedID int
       DECLARE @InputAmount money
       DECLARE @PercentAmount money
       SET @InputAmount = (SELECT DiscountPercent FROM inserted)
       SET @UpdatedID = (SELECT ProductID FROM inserted)
       SET @PercentAmount = @InputAmount * 100
       SET NOCOUNT ON
       IF UPDATE(DiscountPercent)
           IF (@InputAmount < 0 )</pre>
              BEGIN
                  ROLLBACK TRANSACTION;
100 % 🕶 🖣
Messages
  Command(s) completed successfully.
100 % + 4
Query executed successfully.
                              DOMO-PC\SQL2012 (11.0 SP2) | domo-PC\domo (59) | MyGuitarShop | 00:00:00 | 0 rows
  ■UPDATE Products
    SET DiscountPercent = 110
    WHERE ProductID = 13
.00 % + 4
🊹 Messages
  Msg 50000, Level 16, State 1, Procedure Porducts_UPDATE, Line 27
  DiscountAmount cannot be more than a 100
  Msg 3609, Level 16, State 1, Line 1
  The transaction ended in the trigger. The batch has been aborted.
    □UPDATE Products
      SET DiscountPercent = -5
      WHERE ProductID = 13
100 % ▼ 4
 눩 Messages
   Msg 50000, Level 16, State 1, Procedure Porducts_UPDATE, Line 22
   DiscountAmount cannot be negative
   Msg 3609, Level 16, State 1, Line 1
    The transaction ended in the trigger. The batch has been aborted.
```

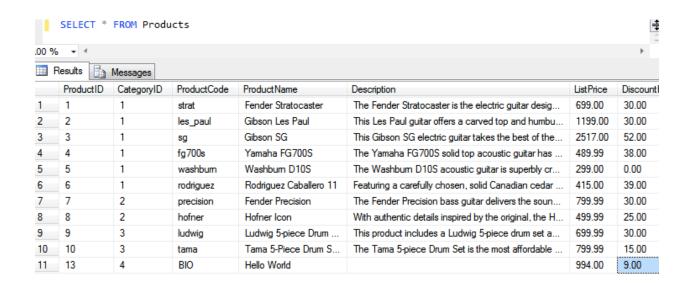


(1 row(s) affected)

SELECT * FROM Products							
100 % 🔻 🖪							+
Results 🗓 Messages							
	ProductID	CategoryID	ProductCode	ProductName	Description	ListPrice	DiscountP
1	1	1	strat	Fender Stratocaster	The Fender Stratocaster is the electric guitar desig	699.00	30.00
2	2	1	les_paul	Gibson Les Paul	This Les Paul guitar offers a carved top and humbu	1199.00	30.00
3	3	1	sg	Gibson SG	This Gibson SG electric guitar takes the best of the	2517.00	52.00
4	4	1	fg700s	Yamaha FG700S	The Yamaha FG700S solid top acoustic guitar has	489.99	38.00
5	5	1	washbum	Washbum D10S	The Washburn D10S acoustic guitar is superbly cr	299.00	0.00
6	6	1	rodriguez	Rodriguez Caballero 11	Featuring a carefully chosen, solid Canadian cedar	415.00	39.00
7	7	2	precision	Fender Precision	The Fender Precision bass guitar delivers the soun	799.99	30.00
8	8	2	hofner	Hofner Icon	With authentic details inspired by the original, the H	499.99	25.00
9	9	3	ludwig	Ludwig 5-piece Drum	This product includes a Ludwig 5-piece drum set a	699.99	30.00
10	10	3	tama	Tama 5-Piece Drum	The Tama 5-piece Drum Set is the most affordable	799.99	15.00
11	13	4	BIO	Hello World		994.00	40.00



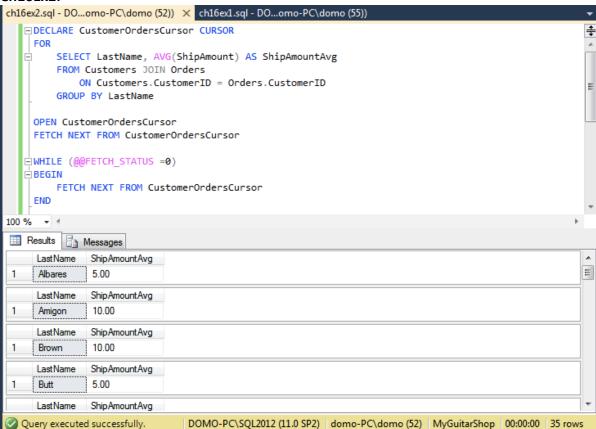
(1 row(s) affected)



Ch16Ex1:

```
DECLARE ProductNameCursor CURSOR FOR
        SELECT ProductID, ProductName, ListPrice
        FROM Products
        WHERE ListPrice > 700
        ORDER BY ListPrice DESC
    OPEN ProductNameCursor
    FETCH NEXT FROM ProductNameCursor INTO @InputProductID, @InputProductName, @InputListPrice
  BEGIN
        PRINT(@InputProductName + ', $' + CONVERT(varchar, @InputListPrice))
        FETCH NEXT FROM ProductNameCursor INTO @InputProductID, @InputProductName, @InputListPrice
    END
100 % ▼ 4
Messages
  Gibson SG, $2517.00
  Gibson Les Paul, $1199.00
  Fender Precision, $799.99
  Tama 5-Piece Drum Set with Cymbals, $799.99
```

Ch16Ex2:



Ch17Ex1:

```
ch17ex1.sql - D0...omo-PC\domo (56)) X CreateMyGuitarSh...omo-PC\domo (59)) SQLQuery5.sql - D...omo-PC\domo (58))*
  ⊟BEGIN TRY
        BEGIN TRAN
            DELETE FROM Addresses
            WHERE CustomerID = 8;
            -- Must Execute this statement in order to work
            -- Becase there are CustomerID values in Orders table
             -- DELETE FROM Orders
             -- WHERE CustomerID = 8
            DELETE FROM Customers
            WHERE CustomerID = 8;
     COMMTT TDAN-
100 %
Messages
   (2 row(s) affected)
   (0 row(s) affected)
   Transaction did not work. Cannot be deleted based on
               provided instructions in the question. Must uncomment
               above provided code to work.
```

Ch17Ex2:

```
□ DECLARE @OrderID int
 BEGIN TRAN
∃BEGIN TRY
     INSERT Orders
     VALUES(3, GETDATE(), '10.00', '0.00', NULL, 4,
     'American Express', '378282246310005', 04/2013, 4);
     SET @OrderID = @@IDENTITY;
     INSERT OrderItems
     VALUES(@OrderID, 6, '415.00', '161.85', 1);
     INSERT OrderItems
     VALUES(@OrderID, 1, '699.00', '209.70', 1)
  + 4
Messages
(1 row(s) affected)
(1 row(s) affected)
(1 row(s) affected)
```

Ch18Ex1:

```
CREATE ROLE OrderEntry;

GRANT INSERT, UPDATE
ON OrderEntry;

GRANT INSERT, UPDATE
ON OrderEntry;

GRANT INSERT, UPDATE
ON OrderItems
TO OrderEntry;

GRANT CFI FCT

100 % 
Messages

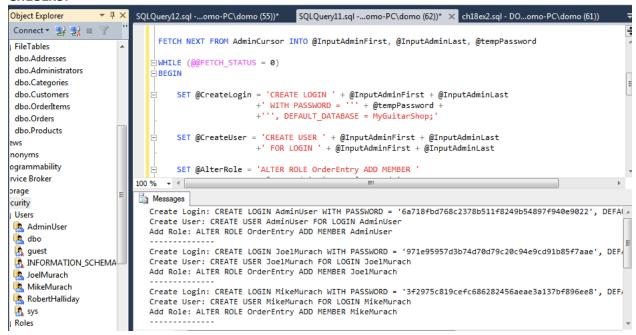
Command(s) completed successfully.
```

Ch18Ex2:

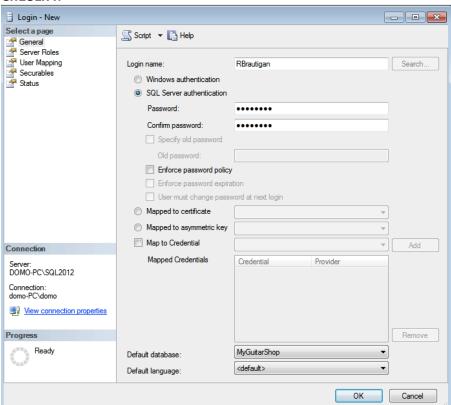
```
□USE MyGuitarShop;
□CREATE LOGIN RobertHalliday
WITH PASSWORD = 'HelloBob',
DEFAULT_DATABASE = MyGuitarShop;
□CREATE USER RobertHalliday
FOR LOGIN RobertHalliday;
□ALTER ROLE OrderEntry
ADD MEMBER RobertHalliday;

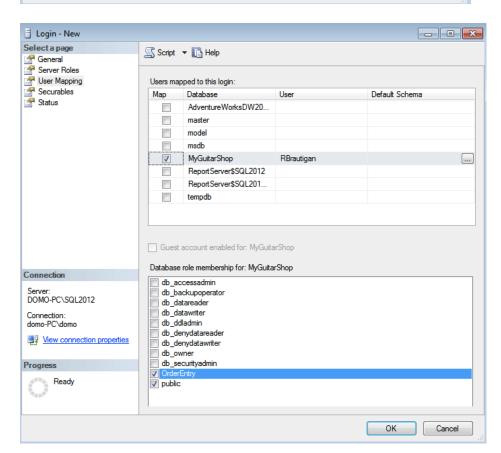
Messages
Command(s) completed successfully.
```

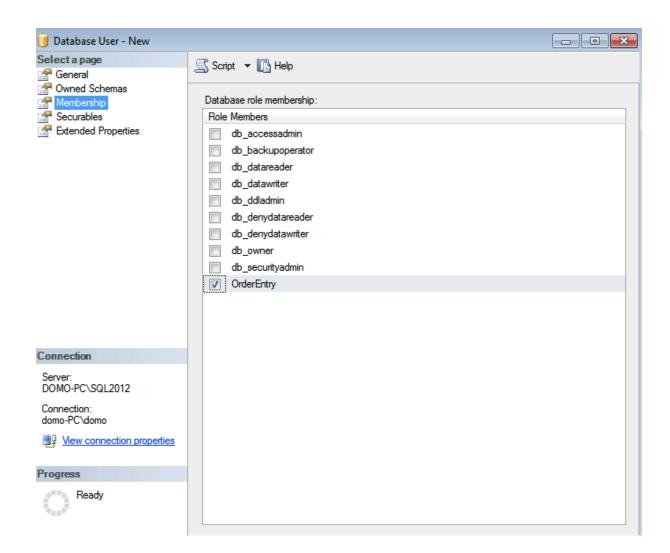
Ch18Ex3:



Ch18Ex4:







Ch19Ex1:

```
ch19ex1.sql - DO...omo-PC\domo (53)) X CustomerAddresses.xml XML_F52E2861-18A...00805F49916B5.xml  

SELECT C.FirstName, C.LastName, A.Line1, A.Line2, A.City, A.State, A.ZipCode  
FROM Customers AS C  
JOIN Addresses AS A  
ON C.CustomerID = A.CustomerID  
FOR XML PATH ('Customer'), ROOT ('Customers')

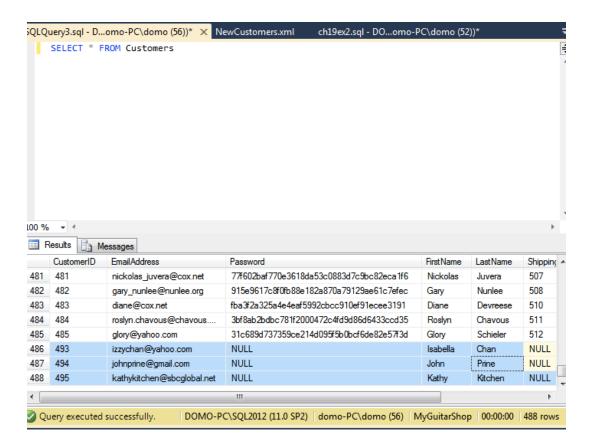
MML_F52E2861-18A1-11d1-B105-00805F49916B  

Customers > Customer > Circle Name > Alan / First Name ...
```

```
<FirstName>Allan</FirstName>
        <LastName>Sherwood</LastName>
        <Line1>100 East Ridgewood Ave.</Line1>
        <Line2></Line2>
        <City>Paramus</City>
        <State>NJ</State>
        <ZipCode>07652</ZipCode>
      </Customer>
  <Customer>
        <FirstName>Allan</FirstName>
        <LastName>Sherwood</LastName>
        <Line1>21 Rosewood Rd.</Line1>
        <Line2></Line2>
        <City>Woodcliff Lake</City>
        <State>NJ</State>
        <ZipCode>07677</ZipCode>
      </Customer>
     <Customer>
       <FirstName>Barry
        <LastName>Zimmer</LastName>
        <Line1>16285 Wendell St.</Line1>
        <Line2></Line2>
        <City>Omaha</City>
        <State>NE</State>
        <ZipCode>68135</ZipCode>
      </Customer>
     <Customer>
        <FirstName>Christine</FirstName>
100 % + 4
```

```
⊡<xxd:schema targetNamespace="CustomerAddresses" xmlns:schema="CustomerAddresses" xmlns:xsd="http://w-
      <xsd:import namespace="http://schemas.microsoft.com/sqlserver/2004/sqltypes" schemaLocation="http:</pre>
     <xsd:element name="C">
   ₽
       <xsd:complexType>
   ᆸ
         <xsd:sequence>
           <xsd:element ref="schema:A" minOccurs="0" maxOccurs="unbounded" />
         </xsd:sequence>
         <xsd:attribute name="FirstName" use="required">
   ₽
   _
_
_
           <xsd:simpleType>
             <xsd:restriction base="sqltypes:varchar" sqltypes:localeId="1033" sqltypes:sqlCompareOptio</pre>
               <xsd:maxLength value="60" />
             </xsd:restriction>
           </xsd:simpleType>
         </xsd:attribute>
        kxsd:attribute name="LastName" use="required">
   <xsd:simpleType>
             <xsd:restriction base="sqltypes:varchar" sqltypes:localeId="1033" sqltypes:sqlCompareOptio</pre>
               <xsd:maxLength value="60" />
             </xsd:restriction>
           </xsd:simpleType>
         </xsd:attribute>
                                    Ι
       </xsd:complexType>
      </xsd:element>
     <xsd:element name="A">
  -0-0-0-0
       <xsd:complexType>
         <xsd:attribute name="Line1" use="required">
           <xsd:simpleType>
             <xsd:restriction base="sqltypes:varchar" sqltypes:localeId="1033" sqltypes:sqlCompareOptio</pre>
               <xsd:maxLength value="60" />
             </xsd:restriction>
100 % - 4
                  -----
```

Ch19Ex2:



Ch19Ex3:

