

Lab Assignment for Week #11 (VRG – MS SQL Server – Part 2)

(Project Questions from Chapter 7 and Online Chapter 10A of the textbook)

(NOTE: Screen shot examples in these instructions may be different than your screen shot values)

IMPORTANT IMPORTANT IMPORTANT

When executing the procedure InsertCustomerAndInterest (page 10A-108), ensure that the coding for the @NewLastName and @NewFirstName variables (which contain the name “Bench Michael”) has been changed to reflect your last and first name respectively (DO NOT change any other data entries in the EXEC code).

IMPORTANT IMPORTANT IMPORTANT

Screen Shot #1: Displaying the TRANS table records. Read pages: 73 through 122 of online chapter 10A (from the textbook – 15th edition) 352 through 361 Chapter 7 (from the textbook – 15th edition)

Display records (all columns) where the asking price equals \$400 (in order to view the new transaction). Ensure that all tables, views and procedures are visible in the object panel on the left side of the screen display.

HINT: The new transaction (as a result of the procedures) will display as the last record with a Work ID value of “597”. NOTE: If the procedure was executed more than once, the WorkID value will be different.)

IMPORTANT – Ensure that the records displayed are based on a query which sets the AskingPrice at \$400.00.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including tables, views, and procedures. The central query window shows the following SQL query:

```
SELECT * FROM TRANS
WHERE AskingPrice = 400.00;
```

The Results pane at the bottom displays the query output as a table with 8 columns: TransactionID, DateAcquired, AcquisitionPrice, AskingPrice, DateSold, SalesPrice, CustomerID, and WorkID. The results show 4 rows of data.

| TransactionID | DateAcquired | AcquisitionPrice | AskingPrice | DateSold | SalesPrice | CustomerID | WorkID |
|---------------|--------------|------------------|-------------|------------|------------|------------|--------|
| 126 | 2015-11-21 | 200.00 | 400.00 | NULL | NULL | NULL | 552 |
| 153 | 2016-05-18 | 200.00 | 400.00 | 2016-08-15 | 350.00 | 1001 | 563 |
| 226 | 2017-06-08 | 200.00 | 400.00 | 2020-11-23 | 350.00 | 2001 | 586 |
| 1109 | 2017-11-12 | 200.00 | 400.00 | NULL | NULL | NULL | 1500 |

The status bar at the bottom indicates that the query was executed successfully, returning 4 rows.

Screen Shot #2: Displaying the WORK table records

Read pages:

73 through 122 of online chapter 10A (from the textbook – 15th edition)

352 through 361 Chapter 7 (from the textbook – 15th edition)

IMPORTANT IMPORTANT IMPORTANT

When executing the procedure InsertCustomerAndInterest (page 10A-108), ensure that the coding for the @NewLastName and @NewFirstName variables (which contain the name “Bench Michael”) has been changed to reflect your last and first name respectively (DO NOT change any other data entries in the EXEC code).

IMPORTANT IMPORTANT IMPORTANT

Display records (all columns) where the title of the work of art is “Spanish Dancer”.). Ensure that all tables, views and procedures are visible in the object panel on the left side of the screen display.

HINT: The latest transaction (as a result of the procedures) will display as the last record with a Work ID value of “597”. (NOTE: If the procedure was executed more than once, the WorkID value will be different.)

IMPORTANT – Ensure that the records displayed are based on a query which sets the Title as “Spanish Dancer”.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including tables, views, and procedures. The central query window shows the following SQL query:

```
SELECT * FROM WORK
WHERE Title = 'Spanish Dancer';
```

The Results pane at the bottom displays the query output as a table with 3 rows and 6 columns: WorkID, Title, Copy, Medium, Description, and ArtistID.

| WorkID | Title | Copy | Medium | Description | ArtistID |
|--------|----------------|---------|----------------------------|---------------------------------------------|----------|
| 563 | Spanish Dancer | 583/750 | High Quality Limited Print | American realist style - From work in Spain | 11 |
| 586 | Spanish Dancer | 588/750 | High Quality Limited Print | American Realist style - From work in Spain | 11 |
| 1500 | Spanish Dancer | 635/750 | High Quality Limited Print | American Realist style - From work in Spain | 11 |

The status bar at the bottom indicates the query was executed successfully, showing the file path, server name, and execution time.

Screen Shot #3: Displaying the CUSTOMERINTERESTSVIEW records

Read pages:

73 through 122 of online chapter 10A (from the textbook – 15th edition)

352 through 361 Chapter 7 (from the textbook – 15th edition)

IMPORTANT IMPORTANT IMPORTANT

When executing the procedure InsertCustomerAndInterest (page 10A-108), ensure that the coding for the @NewLastName and @NewFirstName variables (which contain the name “Bench Michael”) has been changed to reflect your last and first name respectively (DO NOT change any other data entries in the EXEC code).

IMPORTANT IMPORTANT IMPORTANT

Display **only three records**: two for Michael Bench (which has been changed to your name) and the record for Melinda Bench (whose last name has been changed from Gliddens to Bench as a result of executing the trigger CIV_ChangeCustomerLastName).). Ensure that all tables, views and procedures are visible in the object panel on the left side of the screen display.

NOTE: display only the columns CustomerLastName, CustomerFirstName and ArtistName.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including tables, views, and procedures. The central query window shows the following SQL query:

```
SELECT * FROM CustomerInterestsView
WHERE CustomerLastName = 'Bench' OR CustomerLastName = 'Ilgun';
```

The Results pane at the bottom displays the query output as a table with three columns: CustomerLastName, CustomerFirstName, and ArtistName. The results are as follows:

| CustomerLastName | CustomerFirstName | ArtistName |
|------------------|-------------------|------------|
| Ilgun | Abdullah | Matisse |
| Ilgun | Abdullah | Chagall |
| Bench | Melinda | Sargent |

The status bar at the bottom indicates that the query was executed successfully, returning 3 rows.

Screen Shot #4: Displaying the CUSTOMERPHONEVIEW records

Read pages:

73 through 122 of online chapter 10A (from the textbook – 15th edition)
352 through 361 Chapter 7 (from the textbook – 15th edition)

IMPORTANT IMPORTANT IMPORTANT

When executing the procedure InsertCustomerAndInterest (page 10A-108), ensure that the coding for the @NewLastName and @NewFirstName variables (which contain the name “Bench Michael”) has been changed to reflect your last and first name respectively (DO NOT change any other data entries in the EXEC code).

IMPORTANT IMPORTANT IMPORTANT

Display only two records: one for Michael Bench (which has been changed to your name) and the other record for Melinda Bench (whose last name has been changed from Gliddens to Bench as a result of executing the trigger CIV_ChangeCustomerLastName).). Ensure that all tables, views and procedures are visible in the object panel on the left side of the screen display.

NOTE: display only the columns CustomerLastName, CustomerFirstName and CustomerPhone

IMPORTANT – Ensure that the CustomerPhone values include a space after the right bracket used for the area code – Example: (613) 123-4567.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including tables, views, and stored procedures. The main query window shows the following SQL code:

```
SELECT * FROM CustomerPhoneView
WHERE LastName = 'Ilgun' OR LastName = 'Bench';

/* My code for this view:
CREATE VIEW CustomerPhoneView AS
SELECT LastName, FirstName, '(' + AreaCode + ') ' + PhoneNumber AS PhoneNumber
FROM CUSTOMER
*/
```

The Results pane at the bottom displays the output of the query, showing two rows of data:

| | LastName | FirstName | PhoneNumber |
|---|----------|-----------|----------------|
| 1 | Ilgun | Abdullah | (206) 876-8822 |
| 2 | Bench | Melinda | (360) 765-8877 |

The status bar at the bottom indicates that the query was executed successfully, showing the file path, database name, and execution time.