

MIS 421 Individual Assignment B-Part 1 SQL DML-Data Modification

1. Use Microsoft SQL Server Management Studio (SSMS) to connect to yorktown.cbe.wvu.edu\dsci
2. If you haven't created an individual database (you might already create the individual database, then you don't need to create it again), then create a database with the name: **Qxx_MIS421_IndividualDB**
YOURLASTNAME YOURFIRSTNAME (in **Qxx**, Q represents the Quarter: F, W, or S, xx is the year, such as 18 for 2018). You have two logins: Windows login and SQL Server login to access the database server. If you create the database using one login and anticipate that you will access the database using another login, for example, access the database from off-campus computers, you need to add your other login as a db_owner in the new database. There is a document in the General Files module on Canvas about how to add the other login as a db_owner of a database.
3. Create three tables with the following specifications:

Table Name: tblArtist (Note: ArtistID needs to be an identity field)		
Column Name	Data Type	Column Properties
ArtistID	int	Primary key, not null, Identity
LastName	nvarchar (255)	
FirstName	nvarchar (255)	
Nationality	nvarchar (255)	
YearOfBirth	int	
YearDeceased	int	

Table Name: tblCustomer		
Column Name	Data Type	Column Properties
CustomerID	int	Primary key, not null
LastName	nvarchar (255)	
FirstName	nvarchar (255)	
Street	nvarchar (255)	
City	nvarchar (255)	
State	nvarchar (255)	
Zip	nvarchar (255)	
Country	nvarchar (255)	
Phone	nvarchar (255)	
Email	nvarchar (255)	

Table Name: tblArtistWork		
Column Name	Data Type	Column Properties
WorkID	int	Primary key, not null
ArtistID	int	
Title	nvarchar (255)	
Copy	nvarchar (255)	
Medium	nvarchar (255)	
Description	nvarchar (max)	
YearDeceased	int	

4. In SSMS, open a New Query window, then save it as "Assignment B_ YOURLASTNAME_ YOURFIRSTNAME.sql". In the file, write an insert statement for each of the follow data in each table. Note: ArtistID is an identity field. Do not list ArtistID in the column list and do not provide value for the column in each INSERT statement.

For the tblArtist table (Note: no data for Nationality):

ArtistID	LastName	FirstName	YearOfBirth	YearDeceased
1	Qi	Baishi	1864	1957
2	Kandinsky	Wassily	1866	1944
3	Klee	Paul	1879	1940
4	Matisse	Henri	1869	1954
5	Chagall	Marc	1887	1985

For the tblCustomer table (Note: CustomerID is NOT an identity field):

CustomerID	LastName	FirstName	Street	City	State	Zip	Country	PhoneNumber	Email
1000	Chen	Jeffrey	123 W. Elm St	Renton	WA	98055	USA	543-2345	Jeffrey.Chen@vgr.com
1001	Smith	David	813 Tumbleweed Lane	Loveland	CO	81201	USA	654-9876	David.Smith@vgr.com
1015	Smith	Tiffany	88 1st Avenue	Langley	WA	98260	USA	765-5566	Tiffany.Smith@vgr.com
1033	George	Fred	10899 88th Ave	Bainbridge Island	WA	98110	USA	876-9911	Fred.George@vgr.com
1034	Frederickson	Mary Beth	25 South Lafayette	Denver	CO	80201	USA	513-8822	MaryBeth.Frederickson@vgr.com
1036	Warning	Selma	205 Burnaby	Vancouver	BC	V6Z 1W2	Canada	988-0512	Selma.Warning@vgr.com

For the tblArtistWork table:

ArtistID	WorkID	Title	Copy	Medium	Description
1	521	The Tilled Field	788/1000	High Quality Limited Print	Early Surrealist style
1	522	La Lecon de Ski	353/500	High Quality Limited Print	Surrealist style
2	523	On White II	435/500	High Quality Limited Print	Bauhaus style of Kandinsky
4	524	Woman with a Hat	596/750	High Quality Limited Print	A very colorful Impressionist piece
2	551	Der Blaue Reiter	236/1000	High Quality Limited Print	The Blue Rider-Early Pointilism influence
5	562	The Fiddler	251/1000	High Quality Limited Print	Shows Belarusian folk-life themes and symbology

5. In Assginment B_YOURLASTNAME_YOURFIRSTNAME.sql write an update statement for each of the following:
 - a. In the tblCustomer table, update the email to Selma.warning@wwu.edu for the person whose last name is Warning and first name is Selma (Use a where clause with those two columns).
 - b. In the tblArtistWork table, update the Copy to 800/1000 for ArtistID=1 and WorkID=521 (Use a where clause with those two columns).
 - c. In the tblArtist table, update the Nationality to German for artist Paul Klee (Use a where clause with the two columns of LastName and FirstName)
6. In Assginment B_YOURLASTNAME_YOURFIRSTNAME.sql write a delete statement for each of the following:
 - a. From the tblArtistWork table, delete the row with ArtistID=5 and WorkID=562 (Use a where clause with those two columns).
 - b. From the tblArtist table, delete the artist whose ID is 5 (Use a where clause with the column)
7. Execute the scripts to insert, update, or delete the data in the tables.
8. Submit Assginment B_YOURLASTNAME_YOURFIRSTNAME.sql to Canvas.