Gerardo Viveros

CIS 340-60 Database Management

Omar Boffil

10/09/2021

PROJECT REPORT

In this project we got to work with a database named AdventureWorksLT2017, which contains data from a company that ships online orders to customers. It consists of 10 tables: Address, Customer, CustomerAddress, Product, ProductCategory, ProductDescription, ProductModel, ProductModelProductDescription, SalesOrderDetail, and SalesOrderHeader. I started with creating the Database ER Diagram, which you can find in the package titled as “ER Diagram” to understand better on how the tables are connected to each other. Within the database I was given 6 tasks, which I was unable to complete number 4 and 8 because there was no information related with what they were asking me. For number 4 I couldn’t find any “N/A” values, and for number 8 there were not addresses related with “Modular Cycle Systems” value.

Here are the queries I used for each task:

-- 3. Clean all the nul values from tables.

Select AddressID, AddressLine1, ISNULL(AddressLine2, ' ') AS AddressLine2, City, StateProvince, CountryRegion, PostalCode, rowguid, ModifiedDate

from [SalesLT].[Address];

Select CustomerID, NameStyle, ISNULL(Title,' ') AS Title, FirstName, ISNULL(MiddleName, ' ') AS MiddleName, LastName, ISNULL(Suffix, ' ') AS Suffix, CompanyName, EmailAddress,

Phone, PasswordHash, PasswordSalt, rowguid, ModifiedDate

from [SalesLT].[Customer];

Select ProductID, Name, ProductNumber, ISNULL(Color, ' ') AS Color, StandardCost, ListPrice, ISNULL(Size, ' ') AS Size, ISNULL(Weight,'0')AS ProductWeight, ProductCategoryID, ProductModelID,

SellStartDate, ISNULL(SellEndDate, ' ') AS SellEndDate, ISNULL(DiscontinuedDate, ' ') AS DiscontinuedDate, ThumbNailPhoto, ThumbnailPhotoFileName, rowguid, ModifiedDate

from [SalesLT].[Product];

Select ProductCategoryID, ISNULL(ParentProductCategoryID, ' ') AS ParentProductCategoryID, Name, rowguid, ModifiedDate

from [SalesLT].[ProductCategory];

Select SalesOrderID, RevisionNumber, OrderDate, DueDate, ShipDate, Status, OnlineOrderFlag, SalesOrderNumber, PurchaseOrderNumber, AccountNumber, CustomerID, ShipToAddressID, BillToAddressID, ShipMethod,

ISNULL(CreditCardApprovalCode, ' ') AS CreditCardApprovalCode, SubTotal, TaxAmt, Freight, TotalDue, ISNULL(Comment, ' ') AS Comment, rowguid, ModifiedDate

from [SalesLT].[SalesOrderHeader];

-- 4. Clean NA values, there are none.

-- 5. Create a table that has all customer and SalesOrderHeader information and call it CustomerOrder"

Select \*

From [SalesLT].[Customer]

Inner Join [SalesLT].[SalesOrderHeader] On Customer.CustomerID = SalesOrderHeader.CustomerID

-- 6. Create a table that Shows the CompanyName for James D. Kramer and Call it ""JamesCompany""

Select FirstName, MiddleName, LastName, CompanyName

FROM [SalesLT].[Customer]

WHERE FirstName = 'James' AND LastName = 'Kramer'

-- 7. Create a table that Shows OrdeQty, the Name and the ListPrice of the order made by CustomerID 29485 and call it ""OrderbyID29485.""

Select Customer.CustomerID, Product.Name, Product.ListPrice, SalesOrderDetail.OrderQty

From [SalesLT].[Customer]

INNER JOIN [SalesLT].[SalesOrderHeader] ON Customer.CustomerID = SalesOrderHeader.CustomerID

INNER JOIN [SalesLT].[SalesOrderDetail] ON SalesOrderHeader.SalesOrderID = SalesOrderDetail.SalesOrderID

INNER JOIN [SalesLT].[Product] ON SalesOrderDetail.ProductID = Product.ProductID

WHERE SalesOrderHeader.CustomerID = '29485';

-- 8. Create a table that Shows all the addresses listed for ''Modular Cycle Systems'Systems' and call it ""AddressModular"", I couldn't find any data related to Modular Cycle Systems.