Competition

Zachary C Schulte

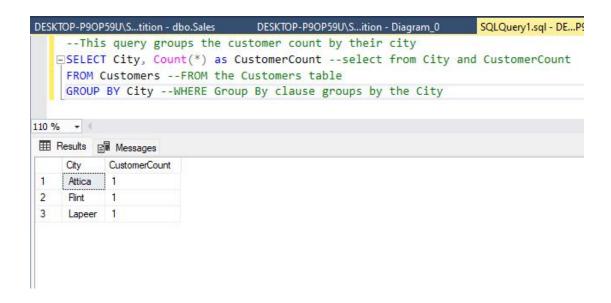
Information Security & Intelligence, Ferris State University

ISIN-325: Database Security

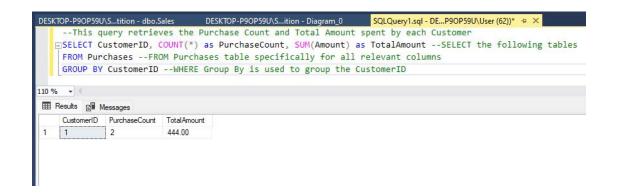
Professor Gogolin

December 7, 2023

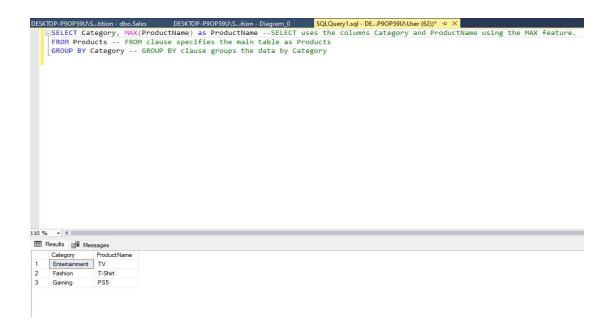
1) Display how many purchases and the total amount purchased by each customer using one SQL statement.



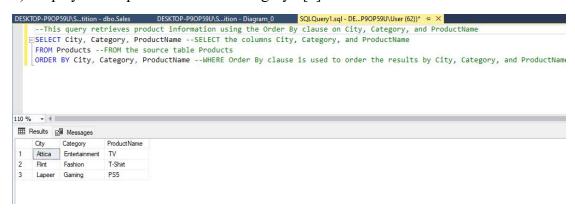
2) Display how many customers are in each city using one SQL statement.



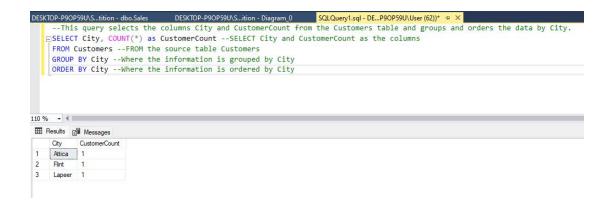
3) Display all the sales each product is tied to, with the output sorted by product and category. [1]



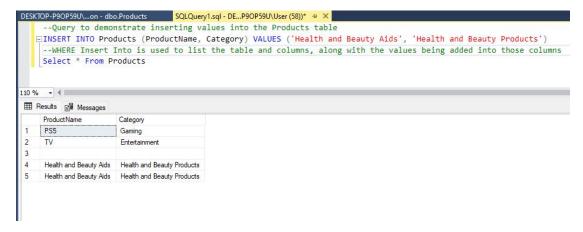
4) Display all the products in each category. [1]



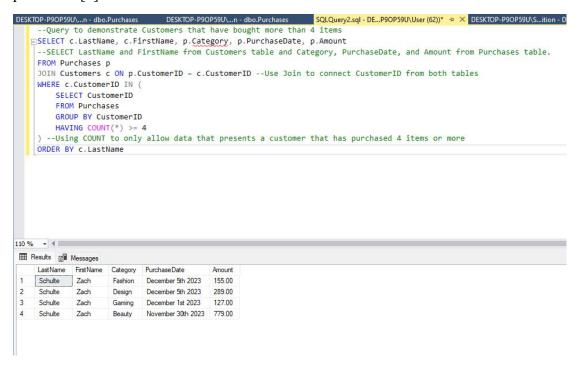
6) Display a count of the number of customers in each city sorted by city. [1]



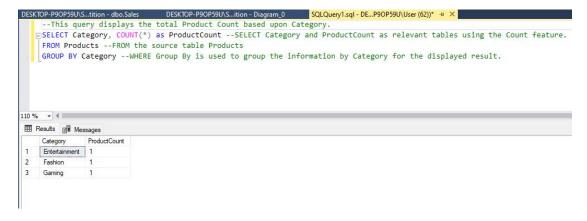
7) Insert a new category "Health and Beauty Aids" with an appropriate description into the category table. (show me the sql and result set). [1]



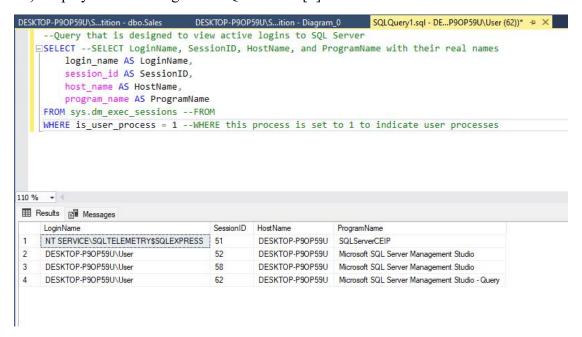
9) Display the category, purchase date and amount for each recipient include LName, FName) for each category sorted by Lname that have purchased at least 4 products. [1]



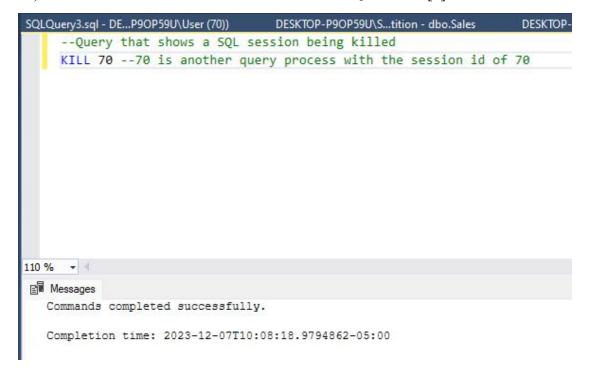
10) Display a count of the number of products for each category using one SQL statement. [1]



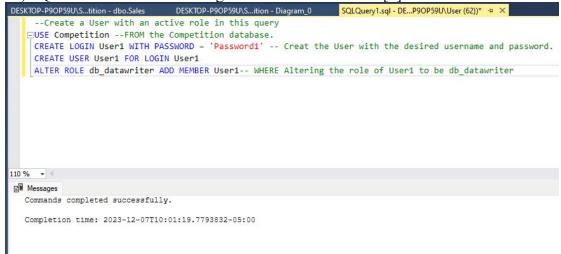
11) Display the active logins in SQL Server. [1]



12) Demonstrate how to terminate a connection to SQL Server. [1]



17) SQL to create a user and assign to a role in a database. [1]

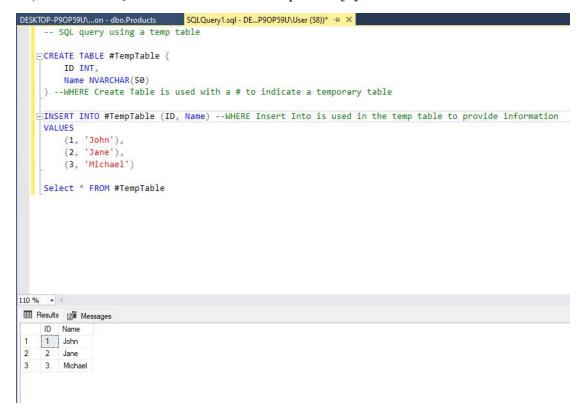


18) Create an SQL routine that uses the Case statement. [1]

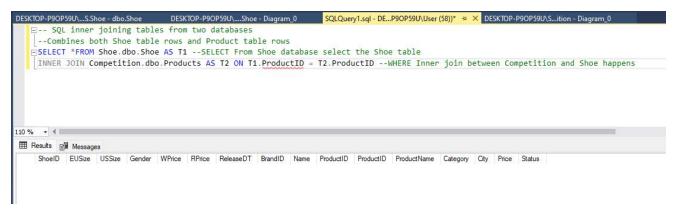
```
SQLQuery1.sql - DE...P9OP59U\User (58))* → X DESKTOP-P9OP59U\S...ition - Diagram_0
     -- SQL routine using the CASE statement
   ⊡UPDATE Products --FROM Products table
     SET Status =
         CASE --WHERE we are setting a When cluase to give a different status to each item based on Price
             WHEN Price > 200 THEN 'High'
             WHEN Price <= 100 AND Price > 60 THEN 'Medium'
            ELSE 'Low
    Select * From Products
110 % -
Results Messages
     ProductID ProductName Category
                                   City
                                         Price
                                               Status
   1 PS5
                        Gaming
                                   Lapeer
                                         300
                                               High
              TV
                        Entertainment Attica 100
                                               Medium
3 3
            T-Shirt
                        Fashion
                                   Flint
                                        50
                                              Low
```

19) Create an SQL routine that uses nested IF/ELSE/IF [1]

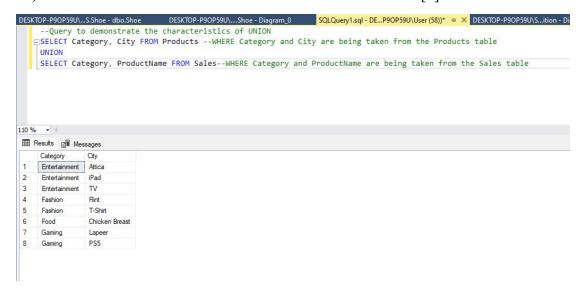
20) Create an SQL routine that uses at temp table. [2]



21) SQL that joins tables that are located in two databases. [1]



28) Create a routine that demonstrates characteristics of Union [1]



29) Create a routine that uses Select Into to populate a table from another table. [1]

