**MIS 320 Database Management Systems: Assignment 5**

1. This assignment is due on **Friday, April 12th, 2024**. Please submit your assignment on Canvas as a file upload. Only **one submission per group** is needed. Include your complete **query and your query output from MySQL**.

3. Please indicate your **roster** **name** in your homework submission. **10 points will be deducted from your grade for missing your name.**

4. Submit your assignment as a pdf or doc or docx file. DO NOT use a google document. Make sure that it is posted by 11:59 **PM on Friday, April 12th**.

5. This assignment has six questions. Each question is worth 10 points.

*I pledge on my honor that I have not given or received any unauthorized assistance on this assignment.*

**Your Roster Names:**

Sign: Giselle Echeverria Date: 4/9/2024

Sign: Janida Magallanes Date: 4/9/2024

Sign: Date:

1. Write a query to list the total number of suppliers who are from CA, TX, NY or MD, whose certification level M and whose BBB rating is higher than 65.

SELECT \*

FROM Supplier

WHERE SState IN ('CA','TX','NY','MD') AND SCertified = 'M' AND SBBBRating > 65;

2. Write a query to list the id and the number of orders placed by those customers who have placed two or more orders after June 15, 2016 such that the quantity in each order was higher than 250.

SELECT CustOrderID, CustOrderQty

FROM custorder

WHERE CustOrderDate > '2016-06-15' AND

CustOrderQty > 250;

3. Write a query to list the names and cities of financiers who have funded products that introduced after 2017 and that customers ordered in quantities 300 or more. List one financier only once. Sort the result on financiers’ names.

SELECT distinct(financier.FName), financier.FCity

FROM financier, product, custorder

WHERE product.PYearIntro > '2017-01-01' AND

custorder.CustOrderQty >= 300 AND

financier.FID = product.FID AND

product.PID = custorder.PID

ORDER BY financier.FName;

4. Write a query to list the names of suppliers and items that satisfy the following conditions: suppliers are outside of NY and CA, are fully certified (i.e., SCertified = ‘F’ for them) and have ordered electronic items costing more than 35 dollars after March 28, 2018. Sort the results based on supplier name.

SELECT supplier.SName, item.IName

FROM supplier, supporder, item

WHERE supplier.SState IN ('CA', 'NY') AND

supplier.SCertified = 'F' AND

item.IType = 'Electronic' AND

item.IPrice > 35 AND

supporder.SuppOrderDate > '2018-03-28' AND

supplier.SID = supporder.SID AND

supporder.IID = item.IID

ORDER BY supplier.SName;

5. Write a query to list the names of products on which two or more employees have worked.

SELECT product.PName

FROM product, empprojprod

WHERE product.PID = empprojprod.PID

GROUP BY product.PName

HAVING count(empprojprod.EID) >= 2;

6. Write a query to list the total number of products of all categories and the total amount of employee billings on these products (multiplication of billrate and billhours) such that the start date (EPPSDate) is after 01-31-2017 and the end date (EPPEDate) is before 07-31-2019.

SELECT product.PCategory, SUM(product.PID) AS NumProducts, empprojprod.BillHours\*empprojprod.BillRate AS BillAmt

FROM empprojprod, product

WHERE empprojprod.EPPSDate > '2017-01-31' AND

empprojprod.EPPEDate < '2019-07-31' AND

empprojprod.PID = product.PID

GROUP BY BillAmt, product.PCategory, product.PID;

**Grading Rubric**

If the query syntax is wrong: -4

If the results look different: -2

If the team has selected additional attributes: Nothing

If the team has selected fewer attributes than listed in the solution: -1