**SQL Assignment 2**

Using Teradata ViewPoint

Database: db\_pvfc11\_big

1. List the names the number of products, and the average product price of each product line whose average price is greater than $200.

SELECT pl.ProductLineName, COUNT(p.ProductID) AS NumberOfProducts, AVG(p.ProductStandardPrice) AS AveragePrice

FROM "db\_pvfc11\_big"."Product\_T" p

JOIN "db\_pvfc11\_big"."ProductLine\_T" pl ON p.ProductLineId = pl.ProductLineId

GROUP BY pl.ProductLineName

HAVING AVG(p.ProductStandardPrice) > 200;

2. List the name of each employee, his or her birth date, the name of his or her manager, and the manager’s birth date for those employees who were born before their manager was born; label the manager’s data Manager and ManagerBirth.

SELECT e1.EmployeeName, e1.EmployeeBirthDate,

e2.EmployeeName AS Manager, e2.EmployeeBirthDate AS ManagerBirth

FROM "db\_pvfc11\_big"."Employee\_T" e1

JOIN "db\_pvfc11\_big"."Employee\_T" e2 ON e1.EmployeeSupervisor = e2.EmployeeID

WHERE e1.EmployeeBirthDate < e2.EmployeeBirthDate;

3. List each item ordered for order number 1, its standard price, and the total price for each item ordered.

SELECT ol.ProductID, p.ProductStandardPrice,

(ol.OrderedQuantity \* p.ProductStandardPrice) AS TotalPrice

FROM "db\_pvfc11\_big"."OrderLine\_T" ol

JOIN "db\_pvfc11\_big"."Product\_T" p ON ol.ProductID = p.ProductID

WHERE ol.OrderID = 1;

4. Display the names of the states in which customers reside but for which there is no salesperson residing in the state. Use the set command UNION, INTERSET, or MINUS in your query.

SELECT DISTINCT CustomerState

FROM "db\_pvfc11\_big"."Customer\_T"

MINUS

SELECT DISTINCT SalespersonState

FROM "db\_pvfc11\_big"."Salesperson\_T";

5. Show the customer ID and name for all the customers who have ordered both products with IDs 3 and 4.

SELECT c.CustomerID, c.CustomerName

FROM "db\_pvfc11\_big"."Customer\_T" c

JOIN "db\_pvfc11\_big"."Order\_T" o ON c.CustomerID = o.CustomerID

JOIN "db\_pvfc11\_big"."OrderLine\_T" ol1 ON o.OrderID = ol1.OrderID AND ol1.ProductID = 3

JOIN "db\_pvfc11\_big"."OrderLine\_T" ol2 ON o.OrderID = ol2.OrderID AND ol2.ProductID = 4;