**DBS201 Lab 4 (revised Winter 2019) Name: Youngeun Hong**

1. What statement will produce the Cust\_Rep view where names show as “Sally Adam” for the customer and “Mary Jones” for the sales rep. Assume the Set schema command was not run and refer to PREMIER??? in the appropriate areas. Make sure your written statement is readable.

CREATE VIEW CUST\_REP AS

SELECT c.CUSTOMER\_NUMBER,

TRIM(c.FIRST\_NAME) ||' '|| c.LAST\_NAME as CUST\_NAME,

TRIM(s.FIRST\_NAME) ||' '|| s.LAST\_NAME as REP\_NAME

FROM PREMIERE.CUSTOMER c, PREMIERE.SALESREP s

WHERE c.SALES\_REP\_NUMBER = s.SALES\_REP\_NUMBER

1. Why is it a good thing you got an error when you tried to delete all the data in the SALESREP table?

The SALESREP table and the CUSTOMER table is linked by foreign key which is the part of columns the CUSTOMER table. Because the CUSTOMER table is referring to the primary key in the SALESREP table, if the SALESREP has been removed the CUSTOMER table cannot be used properly.

1. Provide the statements to load data into the CUSTOMER and SALESREP tables in the correct order.

INSERT INTO PREMIERF24.SALESREP SELECT \* FROM PREMIERE.SALESREP

INSERT INTO PREMIERF24.CUSTOMER SELECT \* FROM PREMIERE.CUSTOMER

1. Why does the order matter?

The foreign key in the CUSTOMER table refers to the primary key in the SALESREP, so the primary key should be made before the foreign key to link those two tables.

1. Provide the properly formatted statement that will produce the OrderInfo view.

CREATE VIEW ORDER\_INFO AS

SELECT O.ORDER\_DATE, O.CUSTOMER\_NUMBER, O.ORDER\_NUMBER,

P.PART\_NUMBER , L.NUMBER\_ORDERED, L.QUOTED\_PRICE, (L.NUMBER\_ORDERED \* L.QUOTED\_PRICE) AS COST

FROM PREMIERF24.ORDERS O, PREMIERF24.ORDERLINE L,

PREMIERF24.PART P

WHERE O.ORDER\_NUMBER = L.ORDER\_NUMBER AND

L.PART\_NUMBER = P.PART\_NUMBER

1. Provide the statement that will help you produce the OrderInfo report in Total Cost order.

SELECT \* FROM ORDER\_INFO

ORDER BY COST

1. Provide the statement you used to get a copy of the Orderline table definition and data into your collection.

CREATE TABLE ORDERLINE AS

(SELECT \* FROM PREMIERE.ORDERLINE) WITH DATA