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<b>CS2258 – DBMS Lab</b> <b>Assignment – 3</b>	<b>Assigned: 28-Jan-14</b> <b>Due : 7-Feb-14</b>
<b>Title: Advanced DML</b>	

### **Manufacturers' Information**

**Aim:** To learn the following:

- a) Write SELECT statements:
  - i) Using JOINS
  - ii) Using nested and co-related subqueries
  - iii) Using set operations

CakeWalk- A small bakery shop wants to store information about various baked products offered for sale and the purchases made by the customers . The sales are made to known customers. It involves the following relations

- a) customer(cid, lname, fname)
- b) Products(pid,food,flavor,price)
- c) items(rno,ordinal,item)
- d)Receipts( rno,r\_date,cid)

Do the following:

- i) Draw the schema and write the DDL statements for the above schema.
- ii) Download and save the following script files: bakery.sql
- iii)Populate the relation(s) by executing bakery.sql in SQLPlus.

Use JOIN for the following (use subquery if required along with JOIN):

1. Display the last and first name of the customers along with their customer\_id who had brought goods on the last date of the month
2. Display the receipt number and its total price for the receipts that contains Twist food and one among the five items.
3. Display the customers whose has brought the food for the same day of the month as your sysdate
4. List the product with all details that have not being brought by any customers.
5. Display the customer whose has purchased least sold flavour
6. Display the customer who has purchased for max amount
7. Display the receipt no having the same productid in the same ordinal position

You should use at least one subquery in each of your answers and write each query in two significantly different ways (e.g., using different sets of the operators IN, ALL, and ANY) for the following:

8. Display the list of customers who purchased baked food of Chocolate and Apricot flavor for more than once.
9. Find the product that was purchased at most times among the customers.
10. Display the customers who have brought any food of flavor chocolate

Use SET operators (any one operator) for each of the following:

11. Display the other foods which are of the same flavor that tart and cookie has.
12. List customer who have not purchased anything.

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file

