	SSN COLLEGE OF ENGINEERING ***Department of Computer Science & Engineering***	***Faculty:*** ***B. Senthil Kumar, Asst. Prof.*** ***P.Mirunalini, Asso. Prof.*** ***N.Sujaudeen, Asst. Prof***
	CS8481 – DBMS Lab ***Assignment – 3***	***Assigned: 05-Jan-19***
Title: Advanced DML – using Joins, Sub queries, Set Operations		

Bakery Database

Consider the following relations for the Bakery database:

CUSTOMERS (*cid*, fname, lname)

PRODUCTS (*pid*, flavor, food, price)

RECEIPTS (*rno*, rdate, cid)

ITEM_LIST (*rno, ordinal*, item)

- Understand the database through README_BAKERY.txt file.
- Draw schema diagram for Bakery database.
- Create relations with appropriate data types and integrity constraints.
- Populate the database values using the ***Bakery.sql*** file**.**

Write the following using Sub-query:

1. Display the food details that is not purchased by any of customers.
2. Show the customer details who had placed more than 2 orders on the same date.
3. Display the products details that has been ordered maximum by the customers. (use ALL)
4. Show the number of receipts that contain the product whose price is more than the average price of its food type.

Write the following using JOIN: (Use sub-query if required)

5. Display the customer details along with receipt number and date for the receipts that are dated on the last day of the receipt month.
6. Display the receipt number(s) and its total price for the receipt(s) that contain Twist as one among five items. Include only the receipts with total price more than $25.
7. Display the details (customer details, receipt number, item) for the product that was

purchased by the least number of customers.

8. Display the customer details along with the receipt number who ordered all the flavors of *Meringue* in the same receipt.

Write the following using Set Operations:

9. Display the product details of both *Pie* and *Bear Claw*.
10. Display the customers details who haven't placed any orders.
11. Display the food that has the same flavor as that of the common flavor between the *Meringue* and *Tart*.

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file