



SSN COLLEGE OF ENGINEERING
Department of
Computer Science &
Engineering

Faculty:
B. Senthil Kumar, Asst. Prof.
Dr. P.Mirunalini, Asso. Prof.
N. Sujaudeen, Asst. Prof

CS8481 – DBMS Lab
Assignment – 7

Assigned: 15-Feb-19
Due: 1 Lab Hour

Title: PL/SQL – Triggers

Consider the following relations for the Bakery database:

CUSTOMERS (cid, fname, lname)

PRODUCTS (pid, flavor, food, price)

RECEIPTS (rno, rdate, cid, amt)

ITEM_LIST (rno, ordinal, item)

Note:

- Use implicit/explicit cursor wherever required.
- Handle the error and display appropriate message if required.
- Add a column **amt** to Receipts relation.

Write a PL/SQL Trigger for the following:

- The combination of Flavor and Food determines the product id. Hence, while inserting a new instance into the *Products* relation, ensure that the same combination of Flavor and Food is not already available.
- While entering an item into the *item_list* relation, update the amount in *Receipts* with the total amount for that receipt number.
- Implement the following constraints for *Item_list* relation:
 - A receipt can contain a maximum of five items only.
 - A receipt should not allow an item to be purchased more than thrice.

What you have to submit:

- Schema Diagram with constraints
- Demo script file

