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|  |  | ***SSN COLLEGE OF ENGINEERING Faculty:***  ***Department of*** |
| ***Computer Science & Dr. P.Mirunalini, Asso. Prof.***  ***Engineering Dr. N. Sujaudeen, Asst. Prof*** | | |
| ***CS8481 – DBMS Lab Assigned: 12­May­22***  ***Assignment – 7 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:*

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

Write a PL/SQL Trigger for the following:

1. 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.
2. While entering an item into the *item\_list* relation, update the amount in *Receipts* with the total amount for that receipt number.
3. Implement the following constraints for *Item\_list* relation:
   1. A receipt can contain a maximum of five items only.
   2. A receipt should not allow an item to be purchased more than thrice.

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file

