

## DBMS LAB WEEK 9-10

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1. Create an employee table which contains employee details and the department he works for. Create another table department consisting of dname and number of employees. Write triggers to increment or decrement the number of employees in a department table when the record in the employee table is inserted or deleted respectively.

```
PS C:\Program Files\PostgreSQL\13\bin> .\psql -U postgres -f C:\Users\sreya\Desktop\Sem5\DBMS-Lab\w9-10\employee_ddl.sql
Password for user postgres:
DROP DATABASE
CREATE DATABASE
You are now connected to database "employee_434" as user "postgres".
CREATE TABLE
CREATE TABLE
CREATE FUNCTION
CREATE FUNCTION
CREATE TRIGGER
CREATE TRIGGER
```

```
PS C:\Program Files\PostgreSQL\13\bin> .\psql -U postgres
Password for user postgres:
psql (13.4)
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.

postgres=# \c employee_434
You are now connected to database "employee_434" as user "postgres".
```

Inserting values:

```
employee_434=# insert into department values(434, 'CSE', 300);
INSERT 0 1
```

```
employee_434=# insert into employee values(43, 'Abhraham', 'M', 85000, 434);
INSERT 0 1
employee_434=# select * from department;
 dept_id | dept_name | no_of_employees
```

2. Create an order\_item table which contains details like name, quantity and unit price of every item purchased. Create an order summary table that contains number of items and total price. Create triggers to update entry in order summary whenever an item is inserted or deleted in the order item table.

```
psql:C:/Users/sreya/Desktop/Sem5/DBMS-Lab/w9-10/orderd_ddl.sql:2: ERROR
: database "orders_434" does not exist
CREATE DATABASE
You are now connected to database "orders_434" as user "postgres".
CREATE TABLE
CREATE TABLE
INSERT 0 1
CREATE FUNCTION
CREATE FUNCTION
CREATE TRIGGER
CREATE TRIGGER
PS C:\Program Files\PostgreSQL\13\bin> .\psql -U postgres
Password for user postgres:
psql (13.4)
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.
```

Insert and delete values and check if the table is updated:

```
orders_434=# insert into orders values(43,'Pallazo', 4,1000.00);
INSERT 0 1
orders_434=# select * from summary;
 total_items | total_price
-----+-----
          4 |      4000.00
(1 row)

orders_434=# delete from orders where item_id = 43;
DELETE 1
orders_434=# select * from summary;
 total_items | total_price
-----+-----
          0 |          0.00
```