## **DBMS LAB ASSIGNMENT 09**

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Create a database name person and create the tables above.

```
MariaDB [(none)]> CREATE DATABASE PERSON;
Query OK, 1 row affected (0.001 sec)
```

```
MariaDB [(none)]> USE PERSON;
Database changed
MariaDB [PERSON]> CREATE TABLE USERS(
    -> USER ID INT NOT NULL AUTO INCREMENT,
   -> USER_NAME VARCHAR(20) NOT NULL,
   -> PASSWORD VARCHAR(20) NOT NULL,
   -> EMAIL varchar(20) NOT NULL,
   -> SALARY INT,
    -> PRIMARY KEY (USER ID));
Ouery OK, O rows affected (0.025 sec)
MariaDB [PERSON]> CREATE TABLE SUMMARY(
   -> ID INT NOT NULL,
   -> TOTAL USERS INT NOT NULL,
   -> YAHOO INT NOT NULL,
   -> HOTMAIL INT NOT NULL,
    -> GMAIL INT NOT NULL,
    -> PRIMARY KEY (ID));
Query OK, 0 rows affected (0.021 sec)
```

1. Write a procedure that take id, total\_user, Yahoo, Hotmail, Gmail values as an input and insert the data into the table summary.

2. Write a procedure that take user\_id, username, password, email values as an input and insert the data into the table Users.

3. Write a procedure that outputs the total number of records/rows in the users table.

4. Write a procedure that outputs the average salary in the users table.

5. Create a procedure named minmax which displays the lowest and the highest salary of the users. Run the procedure to display the lowest and the highest salary.

- 6. Create trigger(s) to update the records in the summary table. The summary table
- will contain only one record and will be updated each time a new entry is made to
- the users table, or a user is deleted from the users table. You need to create the

following two triggers.

- I. Whenever a new entry is made to the user's table then total\_user attribute in the summary table must be incremented by 1.
- 2. Whenever a record is deleted from the user's table then total\_user attribute in the summary table must be decremented by 1.

## ADDING TUPLES IN THE TABLE

```
MariaDB [PERSON]> CALL INSERT_INTO_USERS("233JKL","WOO123","233JKL@GMAIL.COM",7000)$$

Query OK, 1 row affected (0.009 sec)

MariaDB [PERSON]> CALL INSERT_INTO_USERS("TUS110","PQR456","TUS110@GMAIL.COM",9000)$$

Query OK, 1 row affected (0.002 sec)

MariaDB [PERSON]> CALL INSERT_INTO_USERS("CSV567","CNN565","CSV567@HOTMAIL.COM",1000)$$

Query OK, 1 row affected (0.009 sec)
```

## CREATING TRIGGER FOR INSERTION

```
MariaDB [PERSON]> CREATE TRIGGER USER_INSERTION AFTER INSERT ON PERSON.USERS
   -> FOR EACH ROW BEGIN
   -> UPDATE SUMMARY SET TOTAL_USERS = TOTAL_USERS + 1 WHERE ID = 1;
   -> END $$
Query OK, 0 rows affected (0.013 sec)

MariaDB [PERSON]> CALL INSERT_INTO_USERS("233JKL","WOO123","233JKL@GMAIL.COM",7000) $$
Query OK, 2 rows affected (0.009 sec)
```

## CREATING TRIGGER FOR DELETION