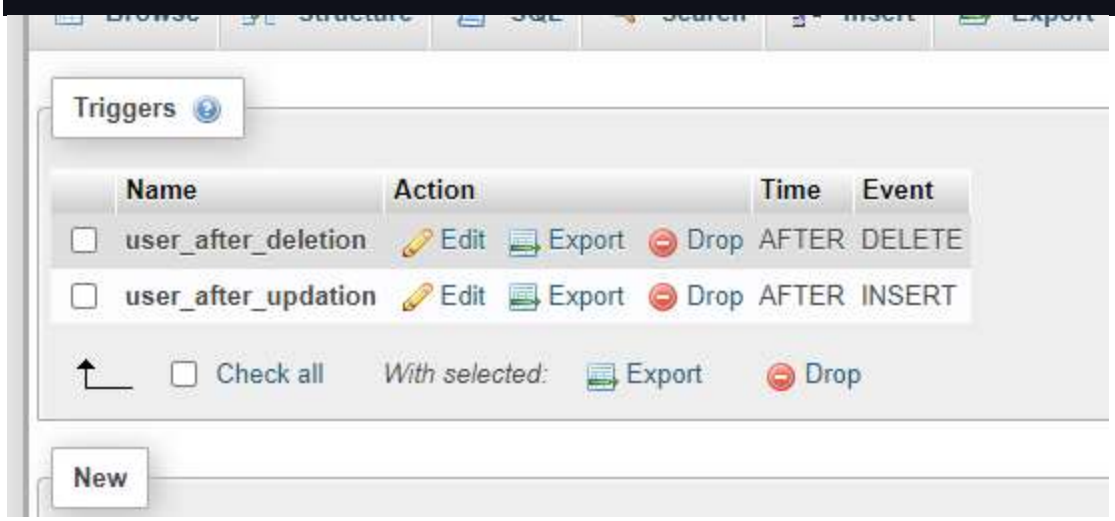
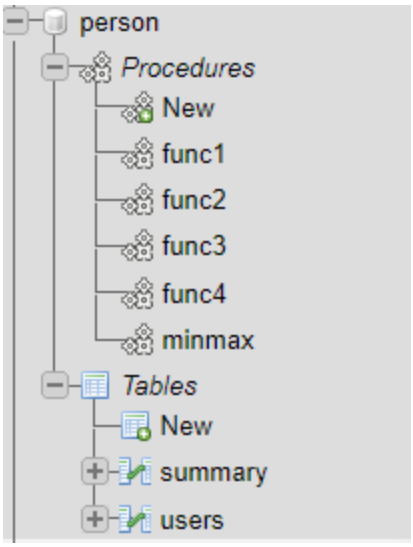
```
create database person
use person;
create table users(
     user_id int primary key,
     username varchar(20),
     password varchar(20),
     email varchar(35),
     salary int
     );
     create table summary(
         id int primary key,
         total_users int,
         Yahoo int,
         Hotmail int,
         Gmail int);
         delimiter $$
create procedure func1(IN id int,IN total_users int,IN Yahoo int,IN Hotmail
int,IN Gmail int)
         BEGIN
         INSERT INTO summary values(id,total_users,Yahoo,Hotmail,Gmail);
         END$$

    Query OK, 0 rows affected (0.030 sec)

 delimiter ;
 call func1(1,2,1,0,1);
    Query OK, 1 row affected (0.011 sec)

create procedure func2(IN user_id int,IN username varchar(20),IN password
varchar(20),IN email varchar(35),IN salary int)
     BEGIN
     INSERT INTO users values(user_id,username,password,email,salary);
     END$$
Query OK, 0 rows affected (0.376 sec)

 call func2(1,'abc123','def321','abc123@yahoo.com',30000)$$
Query OK, 1 row affected (0.010 sec)
call func2(2,'xyz789','asd123','xyz789@yahoo.com',50000)$$
Query OK, 1 row affected (0.010 sec)



q3:
create procedure func3(out Total int)
     BEGIN
```

```
     select count(*) into Total from users;
     END$$
Query OK, 0 rows affected (0.011 sec)
call func3(@out);
    -> $$
Query OK, 1 row affected (0.000 sec)

MariaDB [person]> select @out$$
+------+
| @out |
+------+
|    2 |
+------+
1 row in set (0.000 sec)

q4:
create procedure func4(out average decimal)
 BEGIN
 select avg(salary) INTO average from users;
 END$$
Query OK, 0 rows affected (0.013 sec)

MariaDB [person]> call func4(@average)$$
Query OK, 1 row affected (0.010 sec)

MariaDB [person]> select @average$$
+----------+
| @average |
+----------+
|    40000 |
+----------+
1 row in set (0.000 sec)

q5:

create procedure minmax()
 BEGIN
 select min(salary) as "lowest salary",max(salary) as "highest salary" from
users;
 END$$
Query OK, 0 rows affected (0.012 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call minmax();
+---------------+----------------+
```

```
| lowest salary | highest salary |
+---------------+----------------+
|         30000 |          50000 |
+---------------+----------------+
1 row in set (0.008 sec)

Query OK, 0 rows affected (0.011 sec)


q6:

CREATE TRIGGER user_after_updation AFTER INSERT ON users
     FOR EACH ROW BEGIN
     update summary set total_users=total_users+1;
     END$$
Query OK, 0 rows affected (0.015 sec)

MariaDB [person]> CREATE TRIGGER user_after_deletion AFTER delete ON users
     FOR EACH ROW BEGIN
     update summary set total_users=total_users-1;
     END$$
Query OK, 0 rows affected (0.015 sec)
Multiple time insertion:
        MariaDB [person]> insert into users
values(3,'usama','usama123','usamayazdani143@gmail.com','9000')$$
        Query OK, 1 row affected (0.010 sec)

        MariaDB [person]> insert into users
values(4,'usama','usama123','usamayazdani143@gmail.com','9000')$$
        Query OK, 1 row affected (0.009 sec)

        MariaDB [person]> insert into users
values(5,'usama','usama123','usamayazdani@gmail.com','9000')$$
        Query OK, 1 row affected (0.009 sec)

        MariaDB [person]> insert into users
values(6,'usama','usama123','usamayazdani@gmail.com','9000')$$
        Query OK, 1 row affected (0.009 sec)

        MariaDB [person]> insert into users
values(7,'usama','usama123','usama@gmail.com','9000')$$
        Query OK, 1 row affected (0.016 sec)


        "Here out trigger work fine and in every time it increase the value "
```

```
        select * from summary;
+----+-------------+-------+---------+-------+
| id | total_users | Yahoo | Hotmail | Gmail |
+----+-------------+-------+---------+-------+
|  1 |           7 |     1 |       0 |     1 |
+----+-------------+-------+---------+-------+

"here our deletion trigger is working fine:"
delete from users where user_id=4;
Query OK, 1 row affected (0.009 sec)

MariaDB [person]> delete from users where user_id=5;
Query OK, 1 row affected (0.009 sec)

MariaDB [person]> select * from summary;
+----+-------------+-------+---------+-------+
| id | total_users | Yahoo | Hotmail | Gmail |
+----+-------------+-------+---------+-------+
|  1 |           3 |     1 |       0 |     1 |
+----+-------------+-------+---------+-------+
1 row in set (0.000 sec)
```




person
Procedures
New
func1
func2
func3
func4
minmax
Tables
New
summary
users