

# LAB TASK 10

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## Making database

```
MariaDB [(none)]> create database person;  
Query OK, 1 row affected (0.007 sec)
```

```
MariaDB [(none)]> use person;  
Database changed
```

```
MariaDB [person]> create table user(  
  -> `user_id` VARCHAR(25) NOT NULL,  
  -> `email` VARCHAR(255) NOT NULL,  
  -> `username` VARCHAR(25) NOT NULL,  
  -> `password` VARCHAR(255) NOT NULL,  
  -> PRIMARY KEY (`user_id`));  
Query OK, 0 rows affected (0.214 sec)
```

```
MariaDB [person]> create table summary(  
  -> id varchar(25) not null  
  -> ,  
  -> total_user varchar(25) not null,  
  -> yahoo varchar(25) not null,  
  -> hotmail varchar(25) not null,  
  -> gmail varchar(25) not null,  
  -> primary key(id));  
Query OK, 0 rows affected (0.477 sec)
```

```
MariaDB [person]>
```

## Task 1

```
MariaDB [person]> CREATE PROCEDURE s (IN var1 varchar(25),IN var2 varchar(25),IN var3 varchar(25),IN var4  
  -> varchar(25),IN var5 varchar(25))  
  -> begin  
  -> insert into summary values(var1,var2,var3,var4,var5);  
  -> end//  
Query OK, 0 rows affected (0.210 sec)
```

```
MariaDB [person]> call s(1,2,1,0,1);  
  -> ;  
  -> //  
Query OK, 1 row affected (0.252 sec)
```

## Task 2

```
MariaDB [person]> CREATE PROCEDURE s2 (IN var1 varchar(25),IN var2 varchar(25),IN var3 varchar(25),IN var4 varchar(25))  
  -> begin  
  -> insert into user values(var1,var2,var3,var4);  
  -> ;  
  -> end//  
Query OK, 0 rows affected (0.116 sec)
```

```

MariaDB [person]> delimiter -
MariaDB [person]> call s2(1,"abc123","def321","abc123@yahoo.com");
->
-> -
Query OK, 1 row affected (0.065 sec)

```

## Task 3

```

MariaDB [person]> create procedure yahooavg(out var1 varchar(25))
-> begin
-> select avg(yahoo) into var1 from summary;
-> end-
Query OK, 0 rows affected (0.168 sec)

MariaDB [person]> call yahooavg
-> (@out)-
Query OK, 1 row affected (0.022 sec)

MariaDB [person]> select @out-
+-----+
| @out |
+-----+
| 1    |
+-----+
1 row in set (0.017 sec)

```

## Task 4

```

MariaDB [person]> create procedure min_gmail(out var1
-> begin
-> select min(gmail) into var1 from summary;
-> end-
ERROR 1304 (42000): PROCEDURE min_gmail already exists
MariaDB [person]> call min_gmail(@out);
-> -
Query OK, 1 row affected (0.001 sec)

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

```

## Task 5

```

MariaDB [person]> create procedure maxhotmail(out var2 varchar(25))
  -> begin
  -> select max(hotmail) into var2 from summary;
  -> end-
Query OK, 0 rows affected (0.190 sec)

MariaDB [person]> call max_hotmail(@out);
  -> select(@out)-
ERROR 1305 (42000): PROCEDURE person.max_hotmail does not exist
MariaDB [person]> call maxhotmail(@out);
  -> select(@out)-
Query OK, 1 row affected (0.001 sec)

+-----+
| (@out) |
+-----+
| 0      |
+-----+

```

## task 6

```

MariaDB [person]> delimiter //
MariaDB [person]> create procedure tu()
  -> begin
  -> update summary set total_user=total_user+1
  -> where yahoo<=hotmail ;
  -> end //
Query OK, 0 rows affected (0.228 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call tu();
Query OK, 0 rows affected (0.001 sec)

MariaDB [person]> select from summary;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from summary' at line 1
MariaDB [person]> select *from summary;
+-----+-----+-----+-----+-----+
| id | total_user | yahoo | hotmail | gmail |
+-----+-----+-----+-----+-----+
| 1 | 2          | 1     | 0       | 1     |
+-----+-----+-----+-----+-----+

```

## 7.1 task

```

MariaDB [person]> delimiter x
MariaDB [person]> create trigger ins after insert
  -> on person.user for each row
  -> begin
  -> update summary
  -> set total_user=total_user+1;
  -> endx
Query OK, 0 rows affected (0.090 sec)

```

```

MariaDB [person]> delimiter x
MariaDB [person]> create trigger ins after insert
-> on person.user for each row
-> begin
-> update summary
-> set total_user=total_user+1;
-> endx
Query OK, 0 rows affected (0.090 sec)

MariaDB [person]> select * xuser
ERROR 1096 (HY000): No tables used
-> select * from userx
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'user'
select * from user' at line 1
MariaDB [person]> select * from usersx
ERROR 1146 (42S02): Table 'person.users' doesn't exist
MariaDB [person]> select * from userx
+-----+-----+-----+-----+
| user_id | email | username | password |
+-----+-----+-----+-----+
| 1       | abc123 | def321   | abc123@yahoo.com |
+-----+-----+-----+-----+

```

## Task 7.2

```

MariaDB [person]> create trigger del after delete
-> on person.user for each row
-> begin
-> update summary
-> set total_user=total_user-1;
-> endx
Query OK, 0 rows affected (0.056 sec)

MariaDB [person]> delete from user where user_id="1"x
Query OK, 1 row affected (0.066 sec)

MariaDB [person]> select * from summaryx
+-----+-----+-----+-----+-----+
| id | total_user | yahoo | hotmail | gmail |
+-----+-----+-----+-----+-----+
| 1  | 1          | 1     | 0       | 1     |
+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)

```