LABTASK - 10

Rao Nauman

[COMPANY NAME] [Company address]

Ex 1.1:

```
MariaDB [person]> CREATE PROCEDURE pro2 (IN var1 varchar(20),IN var2 varchar(20),IN var3 varchar(20),IN var4 varchar(20)
,IN var5 varchar(20))
    -> begin
    -> insert into summary values(var1,var2,var3,var4,var5);
    -> end ]]
Query OK, 0 rows affected (0.013 sec)
```

```
MariaDB [person]> delimiter ;
MariaDB [person]> call pro2(1,2,1,0,1);
Query OK, 1 row affected (0.007 sec)

MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 2          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.000 sec)
```

Ex 1.2:

```
MariaDB [person]> delimiter ;
MariaDB [person]> call pro1("1","abc123","def321","abc123@gmail.com");
Query OK, 1 row affected (0.006 sec)

MariaDB [person]> select * from user;
+---------+--------+-----------+------------------+
| user_id | email  | user_name | password         |
+---------+--------+-----------+------------------+
| 1       | abc123 | def321    | abc123@gmail.com |
+---------+--------+-----------+------------------+
1 row in set (0.000 sec)

MariaDB [person]> call pro1("2","xyz789","asd321","xyz789@gmail.com");
Query OK, 1 row affected (0.006 sec)

MariaDB [person]> select * from user;
+---------+--------+-----------+------------------+
| user_id | email  | user_name | password         |
+---------+--------+-----------+------------------+
| 1       | abc123 | def321    | abc123@gmail.com |
| 2       | xyz789 | asd321    | xyz789@gmail.com |
+---------+--------+-----------+------------------+
2 rows in set (0.000 sec)
```

Ex 1.3:

create procedure pro3(out var varchar(30))

   -> begin

   -> select avg(yahoo) into var from summary;

```
    -> end ]]
```

```
MariaDB [person]> create procedure pro3(out var varchar(30))
    -> begin
    -> select avg(yahoo) into var from summary;
    -> end ]]
Query OK, 0 rows affected (0.013 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call pro3(@out);
Query OK, 1 row affected (0.001 sec)

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

Ex 1.4:

MariaDB [person]> create procedure pro4(out var varchar(30))

  -> begin

  -> select min(gmail) into var from summary;

  -> end]]

```
MariaDB [person]> delimiter ]]
MariaDB [person]> create procedure pro4(out var varchar(30))
    -> begin
    -> select min(gmail) into var from summary;
    -> end ]]
Query OK, 0 rows affected (0.013 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call pro4(@out);
Query OK, 1 row affected (0.001 sec)

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

Ex 1.5:

MariaDB [person]> create procedure pro5(out var varchar(30))

   -> begin

   -> select max(hotmail) into var from summary;

   -> end]]

```
MariaDB [person]> delimiter ]]
MariaDB [person]> create procedure pro5(out var varchar(30))
    -> begin
    -> select max(hotmail) into var from summary;
    -> end ]]
Query OK, 0 rows affected (0.013 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call pro5(@out);
Query OK, 1 row affected (0.000 sec)

MariaDB [person]> call pro5(@out);
Query OK, 1 row affected (0.001 sec)

MariaDB [person]> select @out;
+------+
| @out |
+------+
| 0    |
+------+
1 row in set (0.000 sec)
```

Ex 1.6: create procedure pro6()

   -> begin

   -> update summary set total_user=total_user+1

   -> where yahoo<=hotmail ;

   -> end]]

```
MariaDB [person]> delimiter ]]
MariaDB [person]> create procedure pro6()
    -> begin
    -> update summary set total_user=total_user+1
    -> where yahoo<=hotmail ;
    -> end ]]
Query OK, 0 rows affected (0.013 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> call pro6();
Query OK, 0 rows affected (0.001 sec)

MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 2          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.000 sec)
```

Ex 1.7:

Triggers:

Part 1:

MariaDB [person]> create trigger trig1 after insert

   -> on person.user for each row

   -> begin

   -> update summary

   -> set total_user=total_user+1;

   -> end]]

```
MariaDB [person]> delimiter ]]
MariaDB [person]> create trigger trig1 after insert
    -> on person.user for each row
    -> begin
    -> update summary
    -> set total_user=total_user+1;
    -> end ]]
Query OK, 0 rows affected (0.018 sec)

MariaDB [person]> insert into user values("3","ccc123","ccc321","ccc123@gmail.com");
    -> ]]
Query OK, 1 row affected (0.007 sec)

MariaDB [person]> delimiter ;
MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 3          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.000 sec)
```

Part 2:

MariaDB [person]> create trigger trig2 after delete

   -> on person.user for each row

   -> begin

   -> update summary

   -> set total_user=total_user-1;

   -> end]]

```
MariaDB [person]> delimiter ]]
MariaDB [person]> create trigger trig2 after delete
    -> on person.user for each row
    -> begin
    -> update summary
    -> set total_user=total_user-1;
    -> end ]]
Query OK, 0 rows affected (0.015 sec)

MariaDB [person]> delimiter ;
```

```
MariaDB [person]> delete from  user where user_id="3";
Query OK, 1 row affected (0.006 sec)

MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 2          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.000 sec)
```

```
MariaDB [person]> call pro1("3","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.007 sec)

MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 3          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.001 sec)

MariaDB [person]> call pro1("3","sdsd","sdsdsd","sdsds@gmail.com");
ERROR 1062 (23000): Duplicate entry '3' for key 'PRIMARY'
MariaDB [person]>
MariaDB [person]>
MariaDB [person]>
MariaDB [person]> call pro1("4","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.008 sec)

MariaDB [person]> call pro1("5","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.011 sec)

MariaDB [person]> call pro1("6","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.007 sec)

MariaDB [person]> call pro1("7","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.007 sec)

MariaDB [person]> call pro1("8","sdsd","sdsdsd","sdsds@gmail.com");
Query OK, 2 rows affected (0.004 sec)

MariaDB [person]> select * from summary;
+----+------------+-------+---------+-------+
| id | total_user | yahoo | hotmail | gmail |
+----+------------+-------+---------+-------+
| 1  | 8          | 1     | 0       | 1     |
+----+------------+-------+---------+-------+
1 row in set (0.000 sec)
```