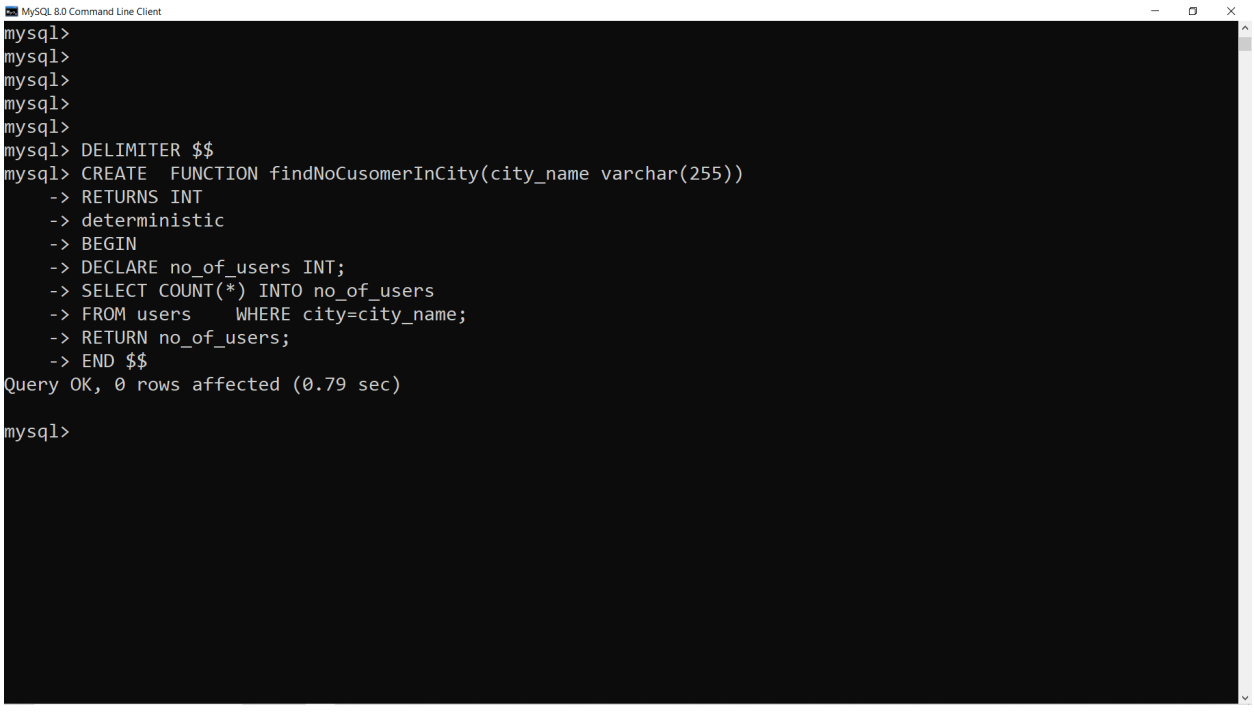
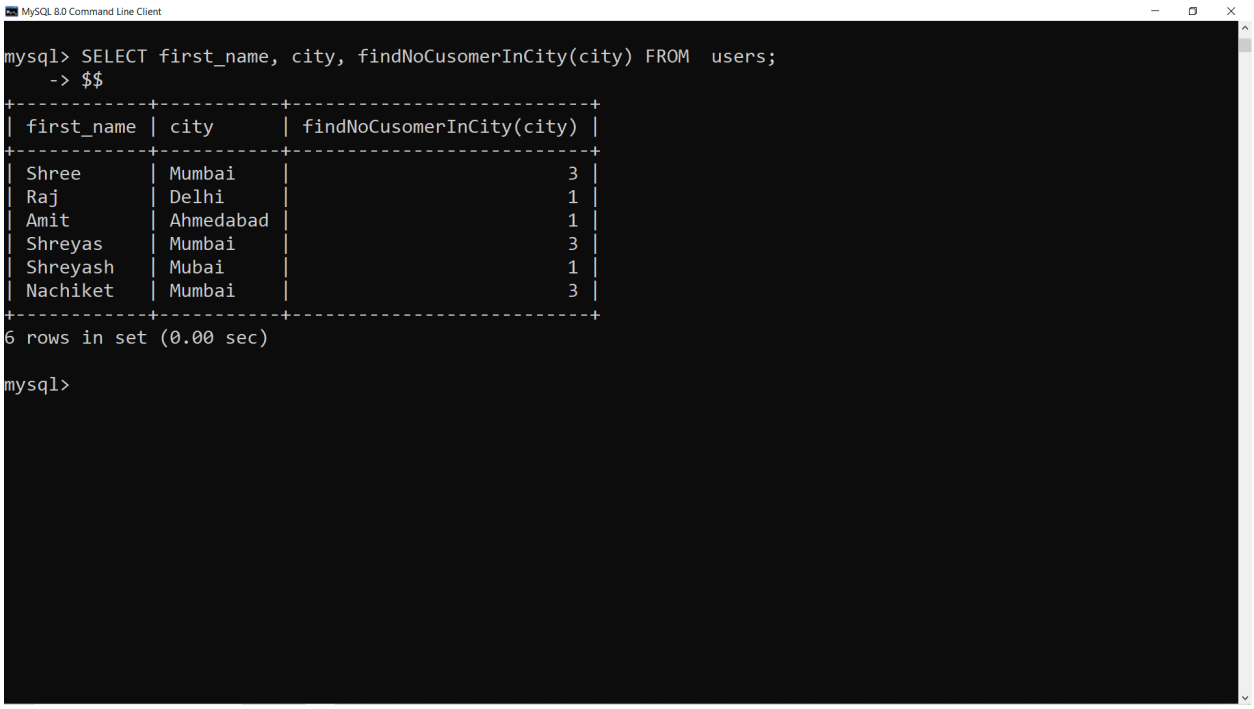
DBMS assignment 6

FUNCTION WITH IN PARAMETER

```
DELIMITER $$
CREATE  FUNCTION findNoCusomerInCity(city_name varchar(255))
RETURNS INT
deterministic
BEGIN
        DECLARE no_of_users INT;
    SELECT COUNT(*) INTO no_of_users
    FROM users
    WHERE city=city_name;
        RETURN no_of_users;
END;
```

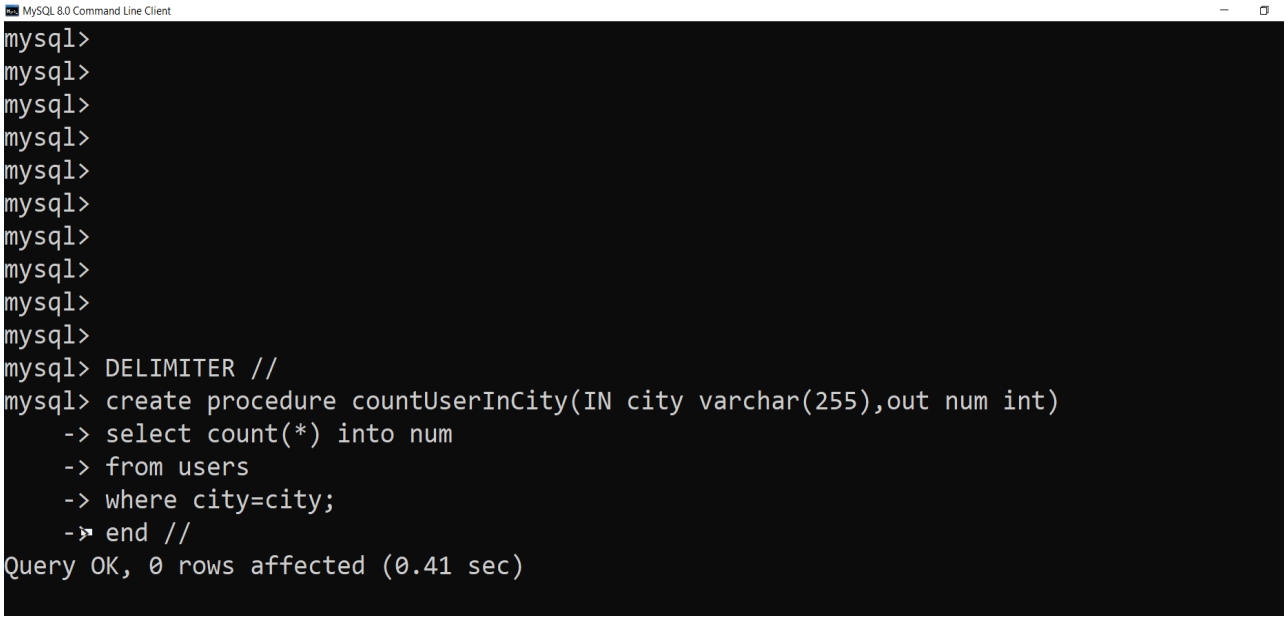


```
SELECT first_name, city, findNoCusomerInCity(city)
FROM  users;
```

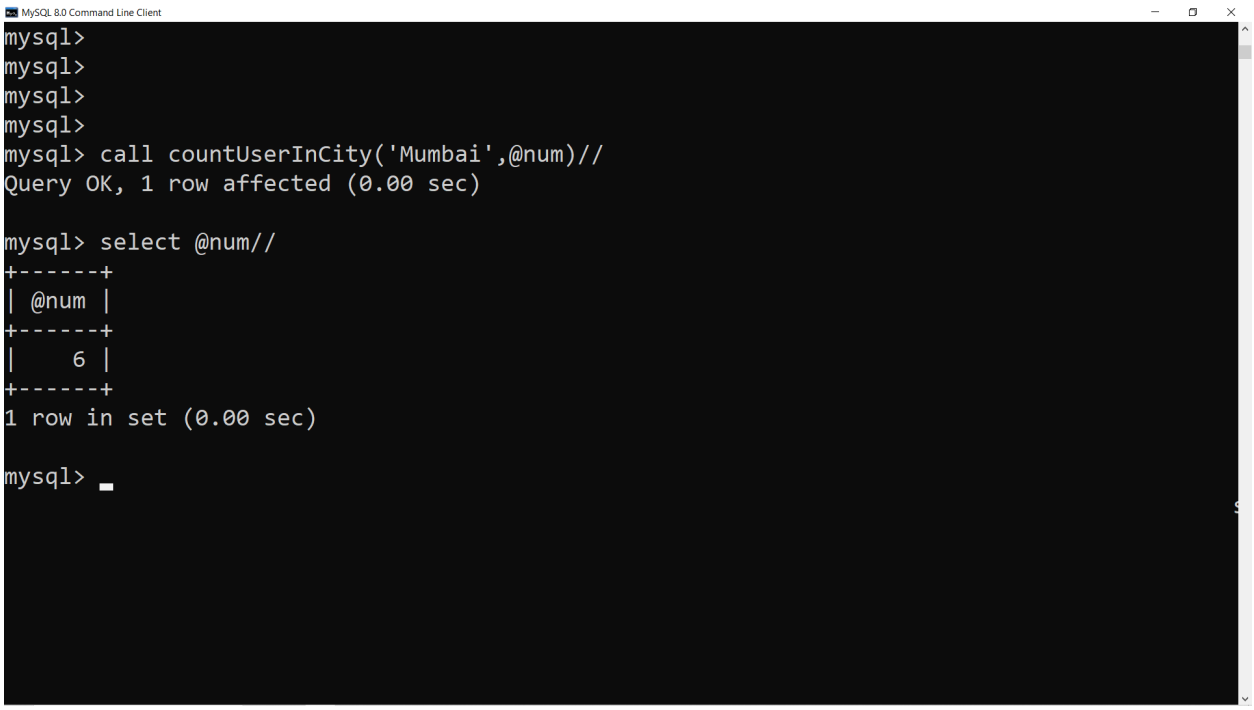


PROCEDURE WITH OUT PARAMETER

```
create procedure countUserInCity(IN city varchar(255),out num
int)
begin
        select count(*) into num
    from users
    where city=city;
end //
```

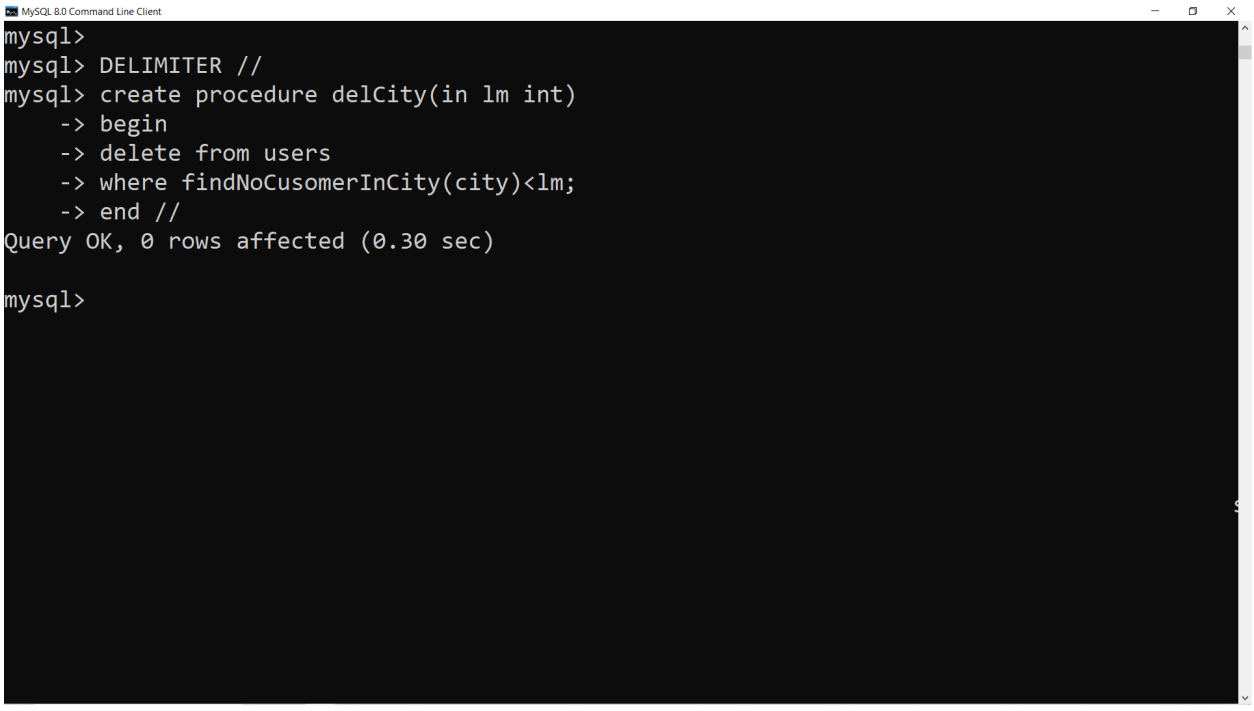

MySQL 8.0 Command Line Client
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql> DELIMITER //
mysql> create procedure countUserInCity(IN city varchar(255),out num int)
-> select count(*) into num
-> from users
-> where city=city;
-> end //
Query OK, 0 rows affected (0.41 sec)

OUTPUT

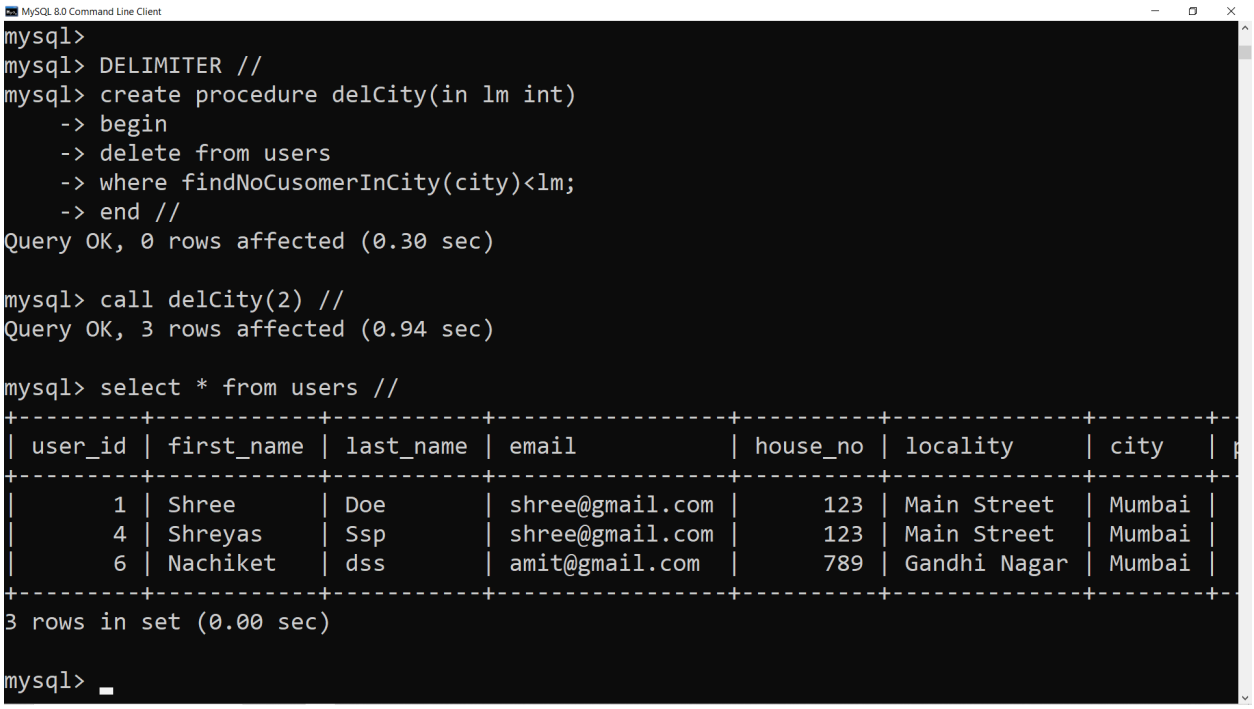

MySQL 8.0 Command Line Client
mysql>
mysql>
mysql>
mysql>
mysql> call countUserInCity('Mumbai',@num)//
Query OK, 1 row affected (0.00 sec)
mysql> select @num//
+------+
| @num |
+------+
| 6 |
+------+
1 row in set (0.00 sec)
mysql>

PROCEDURE WITH IN PARAMETER

```
DELIMITER //
create procedure delCity(in lm int)
begin
	delete from users
	where findNoCusomerInCity(city)<lm;
end //
```



OUTPUT


MySQL 8.0 Command Line Client
mysql>
mysql> DELIMITER //
mysql> create procedure delCity(in lm int)
    -> begin
    -> delete from users
    -> where findNoCusomerInCity(city)<lm;
    -> end //
Query OK, 0 rows affected (0.30 sec)
mysql> call delCity(2) //
Query OK, 3 rows affected (0.94 sec)
mysql> select * from users //
user_id	first_name	last_name	email	house_no	locality	city
1	Shree	Doe	shree@gmail.com	123	Main Street	Mumbai
4	Shreyas	Ssp	shree@gmail.com	123	Main Street	Mumbai
6	Nachiket	dss	amit@gmail.com	789	Gandhi Nagar	Mumbai
3 rows in set (0.00 sec)
mysql>