NAME:
   SUBHAN KHALID
ROLL NO:
   P20086
SECTION 4A
   LAB 10
===

CREATE USER

```
MariaDB [(none)]> CREATE USER 'Subhan'@'localhost' IDENTIFIED BY '1234';
Query OK, 0 rows affected (0.002 sec)
```

```
MariaDB [(none)]> Select host,user,password from mysql.user;
+-----------+-------------+------------------------------------------+
| Host      | User        | Password                                 |
+-----------+-------------+------------------------------------------+
| localhost | root        |                                          |
| 127.0.0.1 | root        |                                          |
| ::1       | root        |                                          |
| localhost |             |                                          |
| localhost | pma         |                                          |
| localhost | mariadb.sys |                                          |
| localhost | Subhan      | *A4B6157319038724E3560894F7F932C8886EBFCF |
+-----------+-------------+------------------------------------------+
7 rows in set (0.002 sec)
```

Q2:GRANT TO VIEW

```
MariaDB [p200086_subhan]> grant select on p200086_subhan.PARK_UK to 'Subhan'@'localhost';
Query OK, 0 rows affected (0.004 sec)
```

Accessing EMPLOYEE table (SELECT,UPDATE) from database themepark:

```
MariaDB [(none)]> grant select on p200086_subhan.EMPLOYEE to 'Subhan'@'localhost';
Query OK, 0 rows affected (0.002 sec)
```

```
MariaDB [p200086_subhan]> show databases
    -> ;
+--------------------+
| Database           |
+--------------------+
| company            |
| fb                 |
| information_schema |
| mysql              |
| organization       |
| p200086_subhan     |
| performance_schema |
| person             |
| phpmyadmin         |
| sales_co           |
| test               |
| themepark          |
+--------------------+
12 rows in set (0.001 sec)

MariaDB [p200086_subhan]>
```

access full database of fb/company (which you have used in last lab):

```
MariaDB [p200086_subhan]>
MariaDB [p200086_subhan]>
MariaDB [p200086_subhan]> grant select on fd.* to 'Subhan'@'localhost';
Query OK, 0 rows affected (0.002 sec)
```

To create a database:

```
MariaDB [p200086_subhan]> grant create on *.* to 'Subhan'@'localhost';
Query OK, 0 rows affected (0.002 sec)
```

Q3:

```
MariaDB [p200086_subhan]> revoke select on p200086_subhan.PARK_UK  from 'Subhan'@'localhost';
Query OK, 0 rows affected (0.002 sec)
```

Q4:

```
MariaDB [p200086_subhan]> SET AUTOCOMMIT =0;
Query OK, 0 rows affected (0.000 sec)
```

Insert to themepark:

```
MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1003','TEST','XYZ','PK');
Query OK, 1 row affected (0.001 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| FR1003    | TEST         | XYZ          | PK           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
16 rows in set (0.001 sec)
```

BEFORE ROLL BACK:

```
MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1004','TEST','XYZ','PK');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| FR1003    | TEST         | XYZ          | PK           |
| FR1004    | TEST         | XYZ          | PK           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
17 rows in set (0.001 sec)
```

AFTER ROLLBACK:

```
MariaDB [p200086_subhan]> ROLLBACK;
Query OK, 0 rows affected (0.004 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
15 rows in set (0.001 sec)
```

AGAIN INSERTION AND ROLLBACK AFTER COMMIT:

```
MariaDB [p200086_subhan]>
MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1006','TEST','XYZ','PK');
Query OK, 1 row affected (0.001 sec)

MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1007','TEST','XYZ','PK');
Query OK, 1 row affected (0.001 sec)

MariaDB [p200086_subhan]> COMMIT;
Query OK, 0 rows affected (0.003 sec)

MariaDB [p200086_subhan]> ROLLBACK;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| FR1006    | TEST         | XYZ          | PK           |
| FR1007    | TEST         | XYZ          | PK           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
17 rows in set (0.001 sec)
```

AGAIN ISERTION AND USING SAVEPOINT AND THEN ROLLBACK:

```
MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1009','TEST','XYZ','PK');
Query OK, 1 row affected (0.001 sec)

MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1010','TEST','XYZ','PK');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200086_subhan]> SAVEPOINT SV1;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| FR1006    | TEST         | XYZ          | PK           |
| FR1007    | TEST         | XYZ          | PK           |
| FR1009    | TEST         | XYZ          | PK           |
| FR1010    | TEST         | XYZ          | PK           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
19 rows in set (0.001 sec)

MariaDB [p200086_subhan]> 
```

```
MariaDB [p200086_subhan]> SAVEPOINT SV1;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1011','TEST','XYZ','PK');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200086_subhan]> INSERT INTO THEMEPARK VALUES('FR1012','TEST','XYZ','PK');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200086_subhan]> ROLLBACK TO SV1;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200086_subhan]> SELECT * FROM THEMEPARK;
+-----------+--------------+--------------+--------------+
| PARK_CODE | PARK_NAME    | PARK_CITY    | PARK_COUNTRY |
+-----------+--------------+--------------+--------------+
|           |              |              |              |
| 123       | awais        | PN           | PK           |
| ABC124    | TEST         | XYZ          | PK           |
| ABC125    | TEST         | XYZ          | PK           |
| FR1001    | FairyLand    | PARIS        | FR           |
| FR1006    | TEST         | XYZ          | PK           |
| FR1007    | TEST         | XYZ          | PK           |
| FR1009    | TEST         | XYZ          | PK           |
| FR1010    | TEST         | XYZ          | PK           |
| Lion      | Adventure    | PN           | PK           |
| NL1202    | Efling       | NOORD        | NL           |
| pk123     | Adventure    | pwr          | pk           |
| PST       | Adventure    | PN           | PK           |
| SP4533    | AdventurePort| BARCELONA    | SP           |
| SW2323    | Labyrinthe   | LAUSANNE     | SW           |
| TT        | Adventure    | PN           | pk           |
| UK2622    | MiniLand     | WINDSOR      | UK           |
| UK3452    | PleasureLand | STOKE        | UK           |
| ZA1342    | GoldTown     | JOHANNESBURG | ZA           |
+-----------+--------------+--------------+--------------+
19 rows in set (0.001 sec)
```