

DBMS

LAB – 4

NAME : Sanmat Sanjayakumar Payagoudar

SRN : PES1UG20CS385

TASK – 2

1. Grant privileges on different tables to users and observe the effect.

Run SQL query/queries on database **railway_reservation**: ⓘ

```
1 GRANT SELECT, INSERT, DELETE, UPDATE ON user_phone_385 TO 'root'@'localhost';
```

[Clear](#) [Format](#) [Get auto-saved query](#)

☐ Bind parameters ⓘ

Delimiter ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks [Go](#)

[Hide query box](#)

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0030 seconds.)

```
GRANT SELECT, INSERT, DELETE, UPDATE ON user_phone_385 TO 'root'@'localhost';
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

Run SQL query/queries on database **railway_reservation**: ⓘ

```
1 GRANT ALL ON user_train_385 TO 'root'@'localhost';
```

[Clear](#) [Format](#) [Get auto-saved query](#)

☐ Bind parameters ⓘ

Delimiter ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks [Go](#)

[Hide query box](#)

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0013 seconds.)

```
GRANT ALL ON user_train_385 TO 'root'@'localhost';
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

Run SQL query/queries on database **railway_reservation**: ⓘ

```
1 GRANT SELECT ON user_385 TO 'root'@'localhost';
```

[Clear](#) [Format](#) [Get auto-saved query](#)

☐ Bind parameters ⓘ

Delimiter ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks [Go](#)

[Hide query box](#)

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0031 seconds.)

```
GRANT SELECT ON user_385 TO 'root'@'localhost';
```

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

2. Revoke UPDATE & DELETE privileges on any tables and observe the effect if any deletion/updation is performed

```
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.4.24-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> revoke all privileges on *.* from 'user385'@'localhost';
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> exit
Bye

C:\xampp\mysql\bin>mysql -u user385 -p
Enter password: ****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.4.24-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
+-----+
1 row in set (0.001 sec)

MariaDB [(none)]>
```

3. Create different save points and perform some insert/update/delete operations. Observe the effect of commit & rollback operations and release any created savepoints.

```
MariaDB [company]> SELECT * FROM student
-> ;
```

stu_id	name	city
1	Sanmat	BGM
2	Sanjay	BGLR
3	Sanath	BGLR
4	Shamith	Shunti katte

```
4 rows in set (0.000 sec)
```

```
MariaDB [company]> set autocommit = 0;
Query OK, 0 rows affected (0.000 sec)
```

```
MariaDB [company]> insert into student values(5, 'Aniket', 'DHWD');
Query OK, 1 row affected (0.002 sec)
```

```
MariaDB [company]> SELECT * FROM student;
```

stu_id	name	city
1	Sanmat	BGM
2	Sanjay	BGLR
3	Sanath	BGLR
4	Shamith	Shunti katte
5	Aniket	DHWD

```
5 rows in set (0.000 sec)
```

```
MariaDB [company]> rollback;
Query OK, 0 rows affected (0.002 sec)
```

```
MariaDB [company]> SELECT * FROM student;
```

stu_id	name	city
1	Sanmat	BGM
2	Sanjay	BGLR
3	Sanath	BGLR
4	Shamith	Shunti katte

```
4 rows in set (0.000 sec)
```

```
MariaDB [company]> SELECT * FROM student;
```

```
+-----+-----+-----+
| stu_id | name   | city      |
+-----+-----+-----+
| 1      | Sanmat | BGM       |
| 2      | Sanjay | BGLR      |
| 3      | Sanath | BGLR      |
| 4      | Shamith | Shunti katte |
+-----+-----+-----+
```

```
4 rows in set (0.000 sec)
```

```
MariaDB [company]> savepoint sp1;
```

```
Query OK, 0 rows affected (0.000 sec)
```

```
MariaDB [company]> insert into student values(5, 'Aniket', 'DHWD');
```

```
Query OK, 1 row affected (0.000 sec)
```

```
MariaDB [company]> SELECT * FROM student;
```

```
+-----+-----+-----+
| stu_id | name   | city      |
+-----+-----+-----+
| 1      | Sanmat | BGM       |
| 2      | Sanjay | BGLR      |
| 3      | Sanath | BGLR      |
| 4      | Shamith | Shunti katte |
| 5      | Aniket | DHWD      |
+-----+-----+-----+
```

```
5 rows in set (0.000 sec)
```

```
MariaDB [company]> rollback to sp1;
```

```
Query OK, 0 rows affected (0.000 sec)
```

```
MariaDB [company]> SELECT * FROM student;
```

```
+-----+-----+-----+
| stu_id | name   | city      |
+-----+-----+-----+
| 1      | Sanmat | BGM       |
| 2      | Sanjay | BGLR      |
| 3      | Sanath | BGLR      |
| 4      | Shamith | Shunti katte |
+-----+-----+-----+
```

```
4 rows in set (0.000 sec)
```