Name: Amber Khurshid
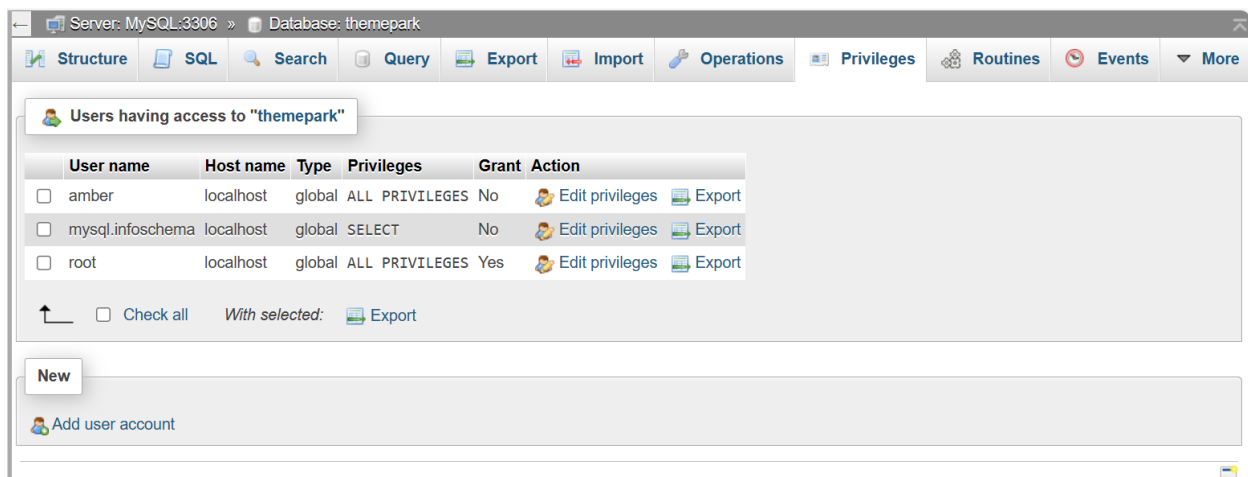
**Roll No:** 22P-9295

Section: BAI-4A

Lab Task #07

1. Create a user, user name should be your name.

```
mysql> CREATE USER 'amber'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.02 sec)
```

| User name	Host name	Type	Privileges	Grant	Action
amber	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
mysql.infoschema	localhost	global	SELECT	No	Edit privileges Export
root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export

2. Grants privileges to the user you created
- To access tables from database themepark (at least 1).

```
mysql> grant select on themepark.employee to 'amber'@'localhost';
Query OK, 0 rows affected (0.01 sec)
```
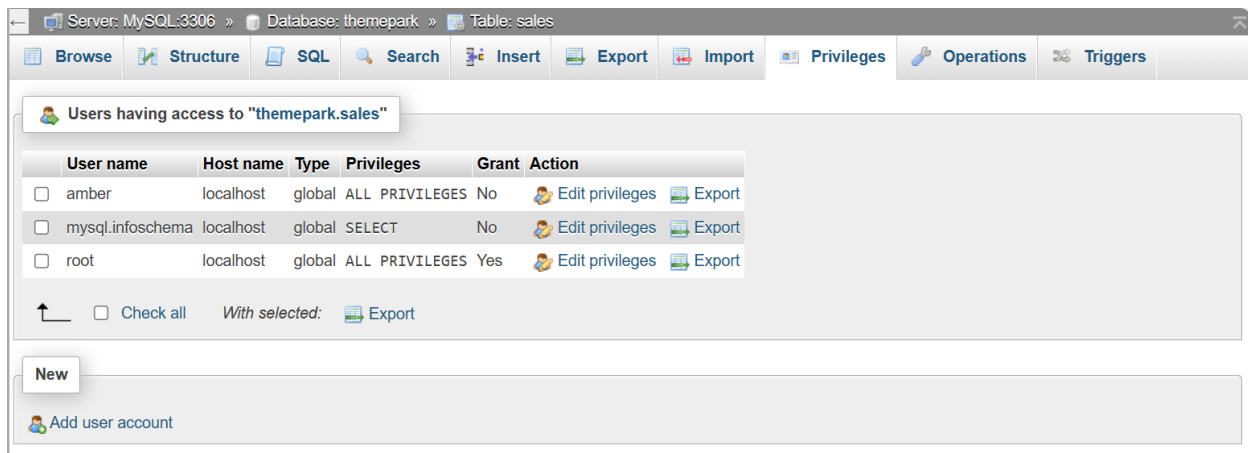
- To access the views you have created in themepark (at least 1 view).

```
mysql> grant select on themepark.empfr to 'amber'@'localhost';
Query OK, 0 rows affected (0.01 sec)
```
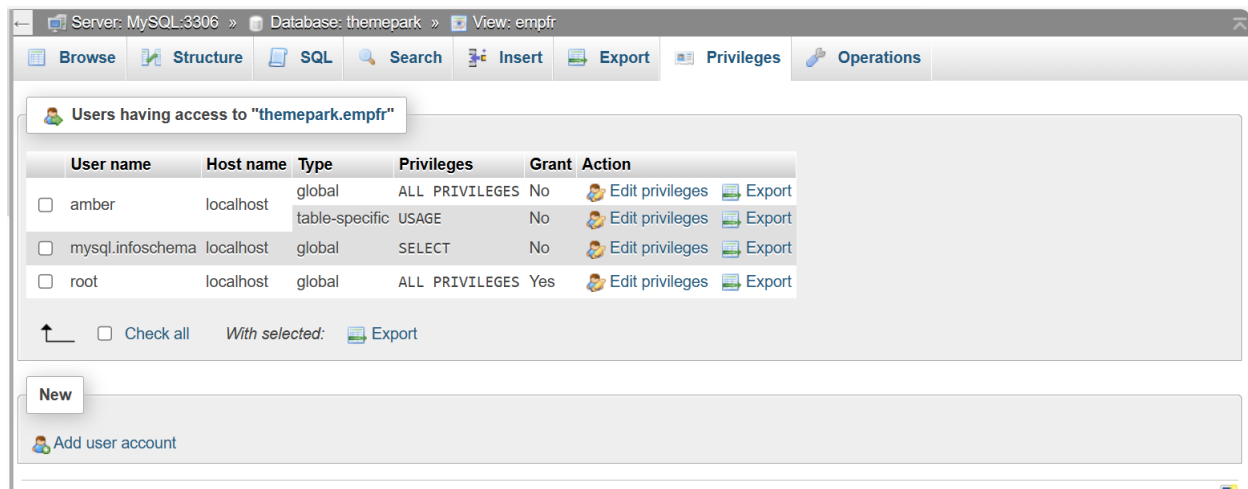

- To access full database of employee (which you have used in assignment 1)
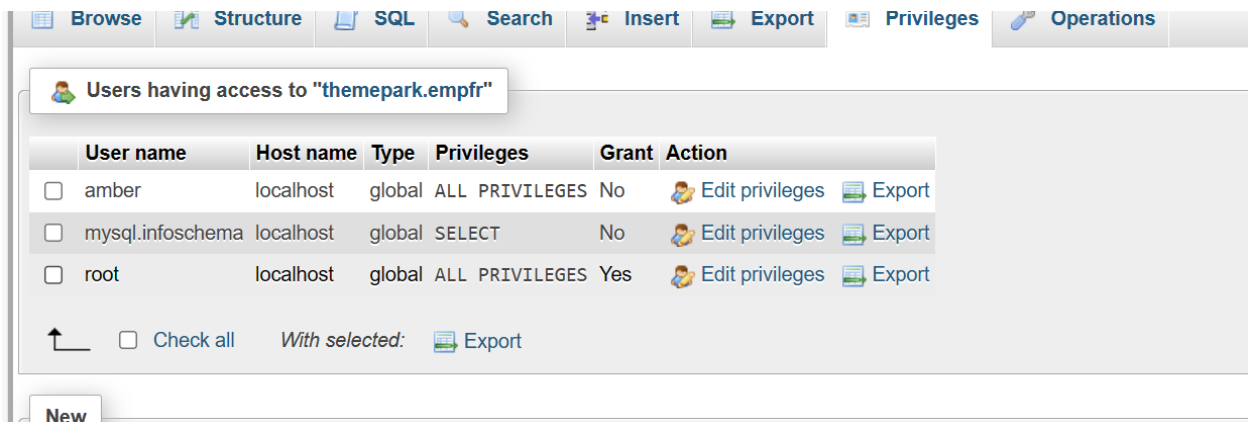
```
mysql> GRANT ALL PRIVILEGES ON * . * TO 'amber'@'localhost';
Query OK, 0 rows affected (0.02 sec)
```

- To create a database

```
mysql> GRANT CREATE ON *.* TO 'amber'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

3. Revoke the right to access the view you granted in exercise 2.

```
mysql> revoke select on themepark.empfr from 'amber'@'localhost';
Query OK, 0 rows affected (0.01 sec)
```

| | Browse | | Structure | | SQL | | Search | | Insert | | Export | | Privileges | | Operations |

Users having access to "themepark.empfr"

	User name	Host name	Type	Privileges	Grant	Action	
☐	amber	localhost	global	ALL PRIVILEGES	No	Edit privileges	Export
☐	mysql.infoschema	localhost	global	SELECT	No	Edit privileges	Export
☐	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges	Export

☐ Check all   With selected: Export

New

4. Grant the insert permission on table ticket and allow him to grant this permission to other users.

GRANT INSERT ON THEME_PARK.TICKET TO 'amber'@'localhost' WITH GRANT OPTION;

5. Give a demonstration of commit, rollback and savepoint commands.
- You can use any already define database for the demonstration of TCL commands.

- Disable the autocommit option as shown in lab manual.

SET AUTOCOMMIT = 0;

- Insert some data in any table, update some data in any table

INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (65789, 'ZA3456', '2005-05-20');

INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (65789, 'ZA2344', '2006-07-20');

UPDATE SALES

SET SALE_DATE = '2007-05-22'

WHERE TRANSACTION_NO = 65789;

Now apply rollback and see the result

ROLLBACK;

- Do some more transactions of insert, update and delete. Afterwards add a

Savepoint

DELETE FROM SALES WHERE TRANSACTION_NO = 65788;

SAVEPOINT my_savepoint;

INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (66876,

'ZA1342', '2005-11-22');

INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (66876,

'ZA1342', '2005-11-23');

ROLLBACK TO SAVEPOINT my_savepoint;

COMMIT;

				TRANSACTION_NO	PARK_CODE	SALE_DATE
☐	🖉 Edit	Copy	⊝ Delete	12781	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	12782	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	12783	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	12784	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	12785	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	12786	FR1001	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34534	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34535	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34536	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34537	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34538	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34539	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34540	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	34541	UK3452	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	67589	ZA1342	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	67590	ZA1342	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	67591	ZA1342	2007-05-18
☐	🖉 Edit	Copy	⊝ Delete	67592	ZA1342	2007-05-18

Console