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Section : BAI-4A
LAB TASK 07

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

CREATE USER 'tazmeen'@'localhost' IDENTIFIED BY 'tazmeen321';

```
MariaDB [(none)]> CREATE USER 'tazmeen'@'localhost' IDENTIFIED BY 'tazmeen321';  
Query OK, 0 rows affected (0.003 sec)
```

2. Grants privileges to the user you created

- To access tables from database themepark (at least 1).
- To access the views you have created in themepark (at least 1 view).
- To access full database of employee (which you have used in assignment 1)
- To create a database

GRANT SELECT ON THEME_PARK.SALES TO 'tazmeen'@'localhost';
GRANT SELECT ON THEME_PARK.EMPFR TO 'tazmeen'@'localhost';
GRANT ALL PRIVILEGES ON employee.* TO 'tazmeen'@'localhost';
GRANT CREATE ON *.* TO 'tazmeen'@'localhost';

```
MariaDB [(none)]> GRANT SELECT ON THEME_PARK.SALES TO 'tazmeen'@'localhost';  
Query OK, 0 rows affected (0.002 sec)  
  
MariaDB [(none)]> GRANT SELECT ON THEME_PARK.EMPFR TO 'tazmeen'@'localhost';  
Query OK, 0 rows affected (0.001 sec)  
  
MariaDB [(none)]> GRANT ALL PRIVILEGES ON employee.* TO 'tazmeen'@'localhost';  
Query OK, 0 rows affected (0.004 sec)  
  
MariaDB [(none)]> GRANT CREATE ON *.* TO 'tazmeen'@'localhost';  
Query OK, 0 rows affected (0.000 sec)
```

Structure	SQL	Search	Query	Export	Import	Operati
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Users having access to **THEME_PARK"**

	User name	Host name	Type	Privileges	Grant	Action
<input type="checkbox"/>	john	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
<input type="checkbox"/>	root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	sara	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
<input type="checkbox"/>	tazmeen	localhost	global	CREATE	No	Edit privileges Export

☐ Check all With selected: Export

Browse	Structure	SQL	Search	Insert	Export	Import
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Users having access to **"THEME_PARK.SALES"**

	User name	Host name	Type	Privileges	Grant	Action
<input type="checkbox"/>	john	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
<input type="checkbox"/>	root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	sara	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
			table-specific	USAGE	No	Edit privileges Export
<input type="checkbox"/>	tazmeen	localhost	global	CREATE	No	Edit privileges Export
			table-specific	USAGE	No	Edit privileges Export

☐ Check all With selected: Export

Server: localhost » Database: THEME_PARK » View: EMPFR

Browse

Structure

SQL

Search

Insert

Export

Privileges

Operations

Tracking

Users having access to

THEME_PARK.EMPFR"

	User name	Host name	Type	Privileges	Grant	Action
<input type="checkbox"/>	john	localhost	global	ALL PRIVILEGES	No	<div><div>Edit privileges</div><div>Export</div></div>
<input type="checkbox"/>	root	127.0.0.1	global	ALL PRIVILEGES	Yes	<div><div>Edit privileges</div><div>Export</div></div>
<input type="checkbox"/>	root	::1	global	ALL PRIVILEGES	Yes	<div><div>Edit privileges</div><div>Export</div></div>
<input type="checkbox"/>	root	localhost	global	ALL PRIVILEGES	Yes	<div><div>Edit privileges</div><div>Export</div></div>
<input type="checkbox"/>	sara	localhost	global	ALL PRIVILEGES	No	<div><div>Edit privileges</div><div>Export</div></div>
			table-specific	USAGE	No	<div><div>Edit privileges</div><div>Export</div></div>
<input type="checkbox"/>	tazmeen	localhost	global	CREATE	No	<div><div>Edit privileges</div><div>Export</div></div>
			table-specific	USAGE	No	<div><div>Edit privileges</div><div>Export</div></div>

Check all

With selected:

Export

New

Add user account

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

```
REVOKE SELECT ON THEME_PARK.EMPFR FROM 'tazmeen'@'localhost';
```

```
MariaDB [(none)]> REVOKE SELECT ON THEME_PARK.EMPFR FROM 'tazmeen'@'localhost';  
Query OK, 0 rows affected (0.000 sec)
```

Users having access to "THEME_PARK.EMPFR"

	User name	Host name	Type	Privileges	Grant	Action
<input type="checkbox"/>	john	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
<input type="checkbox"/>	root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	sara	localhost	global	ALL PRIVILEGES	No	Edit privileges Export
			table-specific	USAGE	No	Edit privileges Export
<input type="checkbox"/>	tazmeen	localhost	global	CREATE	No	Edit privileges Export

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 (67594,  
'ZA1342', '2007-05-18');
```

```
UPDATE SALES  
SET SALE_DATE = '2007-05-20'  
WHERE TRANSACTION_NO = 67594;
```

Now apply rollback and see the result

```
ROLLBACK;
```

←T→		TRANSACTION_NO	PARK_CODE	SALE_DATE
<input type="checkbox"/>	Edit Copy Delete	12781	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	12782	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	12783	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	12784	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	12785	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	12786	FR1001	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34534	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34535	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34536	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34537	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34538	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34539	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34540	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	34541	UK3452	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	67589	ZA1342	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	67590	ZA1342	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	67591	ZA1342	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	67592	ZA1342	2007-05-18
<input type="checkbox"/>	Edit Copy Delete	67593	ZA1342	2007-05-18

NO CHANGE

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

```
INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67595, 'ZA1343', '2007-05-19');
```

```
INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67596, 'ZA1344', '2007-05-21');
```

```
UPDATE SALES
```

```
SET SALE_DATE = '2007-05-22'
```

```
WHERE TRANSACTION_NO = 67595;
```

```
DELETE FROM SALES WHERE TRANSACTION_NO = 67594;
```

```
SAVEPOINT my_savepoint;
```


INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67597, 'ZA1342', '2007-05-23');






















INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67598, 'ZA1342', '2007-05-24');

ROLLBACK TO SAVEPOINT my_savepoint;

This will undo all changes made after the savepoint.

COMMIT;

Click here on the bookmarks toolbar to [manage bookmarks](#).

Server: localhost » Database: THEME_PARK » Table: SALES								
Browse		Structure		SQL	Search	Insert	Export	Import
				TRANSACTION_NO	PARK_CODE	SALE_DATE		
<input type="checkbox"/>	 Edit	 Copy	 Delete	34541	UK3452	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67589	ZA1342	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67590	ZA1342	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67591	ZA1342	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67592	ZA1342	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67593	ZA1342	2007-05-18		
<input type="checkbox"/>	 Edit	 Copy	 Delete	67595	ZA1342	2007-05-22		

```
MariaDB [THEME_PARK]> INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67595, 'ZA1342', '2007-05-19');
Query OK, 1 row affected (0.001 sec)

MariaDB [THEME_PARK]> UPDATE SALES
  -> SET SALE_DATE = '2007-05-22'
  -> WHERE TRANSACTION_NO = 67595;
Query OK, 1 row affected (0.000 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [THEME_PARK]> DELETE FROM SALES WHERE TRANSACTION_NO = 67594;
Query OK, 0 rows affected (0.001 sec)

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

MariaDB [THEME_PARK]> INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67597, 'ZA1342', '2007-05-23');
Query OK, 1 row affected (0.001 sec)

MariaDB [THEME_PARK]> INSERT INTO SALES (TRANSACTION_NO, PARK_CODE, SALE_DATE) VALUES (67598, 'ZA1342', '2007-05-24');
Query OK, 1 row affected (0.001 sec)

MariaDB [THEME_PARK]> ROLLBACK TO SAVEPOINT my_savepoint;
Query OK, 0 rows affected (0.000 sec)

MariaDB [THEME_PARK]> COMMIT;
Query OK, 0 rows affected (0.008 sec)
```