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Lab 4

Steps:

- 1- We use the schema we created at lab 3 SAMPLE45_11
- 2- To create new user we drop it first if exist and use flush privileges
- 3- Use the root to lock the SAMPLE user, then try reconnecting to the database with the SAMPLE user. An error message should pop up that access is denied and account is locked. (Hint: you can use ALTER USER SAMPLEACCOUNT LOCK;)
- 4- Use the root to unlock the SAMPLE user and expire the SAMPLE password, then try reconnecting to the database with the SAMPLE user. It should ask to reset the password then connect successfully. (Hint: you can use ALTER USER SAMPLEPASSWORD EXPIRE;)

Sample runs :

The screenshot shows the MySQL Workbench Administration - Users and Privileges window for a local instance of MySQL 8.0. The window is divided into several sections:

- User Accounts:** A table listing users and their host information.
- Details for account newuser@%:** A section with tabs for Login, Account Limits, Administrative Roles, and Schema Privileges.
- Global Privileges:** A list of privileges with checkboxes.
- Output:** A section for Action Output.

User	From Host
SAMPLE	localhost
admin	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
newuser	%
omar	%
root	localhost

Role	Description
<input checked="" type="checkbox"/> DBA	grants the rights to per
<input checked="" type="checkbox"/> MaintenanceAdmin	grants rights needed to
<input checked="" type="checkbox"/> ProcessAdmin	rights needed to asses
<input checked="" type="checkbox"/> UserAdmin	grants rights to create u
<input checked="" type="checkbox"/> SecurityAdmin	rights to manage login
<input checked="" type="checkbox"/> MonitorAdmin	minimum set of rights r
<input checked="" type="checkbox"/> DBManager	grants full rights on all
<input checked="" type="checkbox"/> DBDesigner	rights to create and rev
<input checked="" type="checkbox"/> ReplicationAdmin	rights needed to setup
<input checked="" type="checkbox"/> BackupAdmin	minimal rights needed

Global Privileges
<input checked="" type="checkbox"/> ALTER
<input checked="" type="checkbox"/> ALTER ROUTINE
<input checked="" type="checkbox"/> CREATE
<input checked="" type="checkbox"/> CREATE ROUTINE
<input checked="" type="checkbox"/> CREATE TABLESPACE
<input checked="" type="checkbox"/> CREATE TEMPORARY TABLES
<input checked="" type="checkbox"/> CREATE USER
<input checked="" type="checkbox"/> CREATE VIEW
<input checked="" type="checkbox"/> DELETE
<input checked="" type="checkbox"/> DROP

Buttons: Add Account, Delete, Refresh, Revert, Apply.

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This screenshot is identical to the one above, showing the MySQL Workbench Administration - Users and Privileges window for a local instance of MySQL 8.0. The window is divided into several sections:

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<input checked="" type="checkbox"/> MonitorAdmin	minimum set of righ
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<input checked="" type="checkbox"/> ReplicationAdmin	rights needed to se
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<input checked="" type="checkbox"/> CREATE VIEW
<input checked="" type="checkbox"/> DELETE
<input checked="" type="checkbox"/> DROP

Buttons: Add Account, Delete, Refresh, Revert, Apply.


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current caret position or
toggle automatic help

[Context Help](#) [Snippets](#)

Output

 Action Output

	#	Time	Action	Message	Duration / Fetch
✓	1	21:49:32	use SAMPLE45_11	0 row(s) affected	0.000 sec
✓	2	21:49:32	drop user 'SAMPLE'@'LOCALHOST'	0 row(s) affected	0.172 sec
✓	3	21:49:32	flush privileges	0 row(s) affected	0.031 sec
✓	4	21:49:32	create user 'SAMPLE'@'LOCALHOST' identified by 'omar_youssef_10102020'	0 row(s) affected	0.094 sec
✓	5	21:49:33	grant all on SAMPLE45_11.* to 'SAMPLE'@'LOCALHOST'	0 row(s) affected	0.109 sec
✓	6	21:49:33	alter user 'SAMPLE'@'LOCALHOST' account lock	0 row(s) affected	0.078 sec
✓	7	21:49:33	alter user 'SAMPLE'@'LOCALHOST' account unlock	0 row(s) affected	0.062 sec
✓	8	21:49:33	alter user 'SAMPLE'@'LOCALHOST' password expire	0 row(s) affected	0.093 sec
✓	9	21:49:33	alter user 'SAMPLE'@'LOCALHOST' identified by '4444'	0 row(s) affected	0.125 sec

Use cmd:

```
Select C:\Windows\System32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.23 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> source lab6.sql
Database changed
Query OK, 0 rows affected (0.14 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.08 sec)

Query OK, 0 rows affected (0.04 sec)

Query OK, 0 rows affected (0.10 sec)
```

```
Select C:\Windows\System32\cmd.exe - mysql -u root -p

Query OK, 0 rows affected (0.12 sec)

Query OK, 0 rows affected (0.05 sec)

mysql> show databases
-> show databases;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version
for the right syntax to use near 'show databases' at line 2
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| lab |
| lab5 |
| mysql |
| performance_schema |
| phonebook |
| sakila |
| sample45_11 |
| sys |
| world |
+-----+
10 rows in set (0.04 sec)

mysql>
```

```
C:\Windows\System32\cmd.exe - mysql -u root -p

+-----+
| information_schema |
| lab                |
| lab5               |
| mysql              |
| performance_schema |
| phonebook          |
| sakila              |
| sample45_11        |
| sys                |
| world              |
+-----+
10 rows in set (0.08 sec)

mysql> use lab
Database changed
mysql> show tables
+-----+
| Tables_in_lab |
+-----+
| dept          |
| employee      |
+-----+
2 rows in set (0.07 sec)

mysql>
```

```
C:\Windows\System32\cmd.exe - mysql -u root -p

+-----+
| world |
+-----+
10 rows in set (0.08 sec)

mysql> use lab
Database changed
mysql> show tables
+-----+
| Tables_in_lab |
+-----+
| dept          |
| employee      |
+-----+
2 rows in set (0.07 sec)

mysql> select * from employee;
+-----+
| SSN | ENAME | BDATE      | DNO | SALARY |
+-----+
| 1   | Omar  | 2021-10-10 | 7   | 40     |
| 2   | Omar  | 2021-10-10 | 2   | 50     |
| 3   | Omar  | 2021-10-10 | 2   | 60     |
+-----+
3 rows in set (0.02 sec)

mysql>
```