

1 REM Author : Henry
2 REM Date : 2024.06.12
3 REM Objective :
4 REM Environment : Ubuntu Server 22.04 LTS, MySQL Workbench 8.0 CE, MySQL Community
Server 8.0.37-0ubuntu0.22.04.3 (ubuntu)

5
6

7 REM Before you begin

```
Root Root 가 .
```

8 1. All commands are executed inside the MySQL shell as root or administrative user.

9 2. The minimum privileges required to create user accounts and define their privileges is CREATE USER and GRANT.

10 3. To access the MySQL shell type the following command and enter your MySQL root user password when prompted:

```
$ mysql -u root -p
```

14 REM Create a new MySQL User Account

```
CREATE USER ' ' @ ' (IP)  
IDENTIFIED BY ' ' ;
```

15 1. A user account in MySQL consists of two parts: user name and host name.

16 2. To create a new MySQL user account, run the following command:

```
mysql>CREATE USER 'newuser'@'localhost' IDENTIFIED BY 'user_password';
```

19 3. To grant access from another host, change the hostname part with the remote machine IP

20 -For example, to grant access from a machine with IP 10.8.0.5 you would run:

```
mysql>CREATE USER 'newuser'@'10.8.0.5' IDENTIFIED BY 'user_password';
```

23 4. To create a user that can connect from any host, use the '%' wildcard as a host part:

```
mysql>CREATE USER 'newuser'@'%' IDENTIFIED BY 'user_password';
```

```
MySQL %
```

27 REM Grant Privileges to a MySQL User Account

```
GRANT
```

28 1. There are multiple types of privileges that can be granted to a user account.

29 2. The most commonly used privilege are:

30 1)ALL PRIVILEGES – Grants all privileges to a user account.

31 2)CREATE – The user account is allowed to create databases and tables.

32 3)DROP - The user account is allowed to drop databases and tables.

33 4)DELETE - The user account is allowed to delete rows from a specific table.

34 5)INSERT - The user account is allowed to insert rows into a specific table.

35 6)SELECT – The user account is allowed to read a database.

36 7)UPDATE - The user account is allowed to update table rows.

```
GRANT < > ON <DB>.< > TO < >.< >
```

38 3. To grant specific privileges to a user account, use the following syntax:

```
mysql>GRANT permission1, permission2 ON database_name.table_name TO  
'database_user'@'localhost';
```

```
+  
GRANT //  
EXECUTE ON PROCEDURE //  
< >.< > to '< >'@'< >';
```

41 4. Examples:

42 1)Grant all privileges to a user account over a specific database:

```
mysql>GRANT ALL PRIVILEGES ON database_name.* TO 'database_user'@'localhost';
```

45 2)Grant all privileges to a user account on all databases:

```
mysql>GRANT ALL PRIVILEGES ON *.* TO 'database_user'@'localhost';
```

3) Grant **all privileges to** a **user** account **over** a **specific table from** a **database**:

```
mysql> GRANT ALL PRIVILEGES ON database_name.table_name TO 'database_user'@  
'localhost';
```

4) Grant multiple **privileges to** a **user** account **over** a **specific database**:

```
mysql> GRANT SELECT, INSERT, DELETE ON database_name.* TO database_user@  
'localhost';
```

REM Display MySQL **User** Account **Privileges**

-To find the privilege(s) granted **to** a **specific** MySQL **user** account, **use** the **SHOW GRANTS statement**:

```
mysql> SHOW GRANTS FOR 'database_user'@'localhost';
```

REVOKE

REM **Revoke Privileges from** a MySQL **User** Account

-To **revoke all privileges from** a **user** account **over** a **specific database**, run the following command:

```
mysql> REVOKE ALL PRIVILEGES ON database_name.* FROM 'database_user'@'localhost';
```

REVOKE ON DB . FROM @ ;

REM Remove an Existing MySQL **User** Account

-To **delete** a MySQL **user** account **use** the **DROP USER statement**:

```
mysql> DROP USER 'user'@'localhost'
```

ALTER USER

REM **ALTER USER**

1. The **ALTER USER statement modifies** MySQL accounts.

2. Syntax

```
ALTER USER [IF EXISTS] user IDENTIFIED BY 'password_string';
```

REM **User Check**

```
mysql> SELECT host, user, plugin, authentication_string, password_last_changed FROM  
mysql.user;
```

REM Saving Your Changes

FLUSH PRIVILEGES;

DB : mysqldump
-> mysql / bin/ mysqldump.exe

Usage: mysqldump [OPTIONS] database [tables]
R mysqldump [OPTIONS] --databases [OPTIONS] DB1 [DB2 DB3...]
R mysqldump [OPTIONS] --all-databases [OPTIONS]

```
mysqldump -u root -p DB : root "DB" " " dump  
> ./patient.sql : patient.sql  
patient.sql
```

DB . =>

```
mysqldump -u root -p world > ./world.sql :  
DB DB
```

```
mysqldump -u root -p --all-databases > ./all.sql :  
DB --all-databases DB
```