

1.-Elegir tres privilegios de entre los que aparecen en la tabla de la presentación y crear tres usuarios (con acceso local únicamente) a los que un permiso a cada usuario, sobre una base de datos completa. Una distinta para cada uno.

[Adjuntar capturas de pantalla](#)

```
mysql> create user usuario1@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,06 sec)

mysql> create user usuario2@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,05 sec)

mysql> create user usuario3@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,01 sec)
```

```
mysql> grant all on almacenistas.* to usuario1@localhost;
Query OK, 0 rows affected (0,05 sec)

mysql> grant alter on banco.* to usuario2@localhost;
Query OK, 0 rows affected (0,04 sec)

mysql> grant create on festivales_cine.* to usuario3@localhost;
Query OK, 0 rows affected (0,00 sec)
```

2.-Iniciar sesión con cada uno de los usuarios y demostrar que solo tienen visibilidad sobre la base de datos en la que tienen privilegios.

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```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario1 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 176
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| almacenistas |
| information_schema |
| performance_schema |
+-----+
3 rows in set (0,00 sec)
```

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario2 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 177
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| banco |
| information_schema |
| performance_schema |
+-----+
3 rows in set (0,00 sec)
```

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario3 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 178
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| festivos_cine |
| information_schema |
| performance_schema |
+-----+
3 rows in set (0,04 sec)
```

3.-Elegir otros tres privilegios y crear tres usuarios más (también con acceso local) a los que asignárselos. En este caso, se deben asignar los tres privilegios a cada uno de los usuarios, **sobre una tabla diferente**.

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```
mysql> create user usuario4@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,05 sec)

mysql> create user usuario5@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,02 sec)

mysql> create user usuario6@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,02 sec)
```

```
mysql> grant create view on almacenistas.departamento to usuario4@localhost;
Query OK, 0 rows affected (0,02 sec)

mysql> grant delete on almacenistas.producto to usuario5@localhost;
Query OK, 0 rows affected (0,04 sec)

mysql> grant drop on almacenistas.situacion to usuario6@localhost;
Query OK, 0 rows affected (0,01 sec)
```

4.-Nuevamente iniciad sesión con cada usuario y comprobad que solo tienen visibilidad sobre las tablas en las que les habéis asignado permisos.

[Adjuntar capturas de pantalla](#)

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario4 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 181
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show tables;
ERROR 1046 (3D000): No database selected
mysql> use almacenistas;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_almacenistas |
+-----+
| departamento           |
+-----+
1 row in set (0,00 sec)
```

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario5 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 182
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> use almacenistas;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_almacenistas |
+-----+
| producto                |
+-----+
1 row in set (0,00 sec)
```

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario6 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 183
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> use almacenistas;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_almacenistas |
+-----+
| situacion                |
+-----+
1 row in set (0,00 sec)
```

5.-Elegir dos privilegios de entre los siguientes (select, insert, update) y cread otros dos usuarios con acceso local. En este caso, para cada usuario, elegid una tabla y un campo y asignad el privilegio en ella al usuario.

[Adjuntar capturas de pantalla](#)

```
mysql> create user usuario7@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,06 sec)

mysql> create user usuario8@localhost identified by 'Abd..123';
Query OK, 0 rows affected (0,06 sec)
```

```
mysql> grant select(id_departamento) on departamento to usuario7@localhost;
Query OK, 0 rows affected (0,00 sec)

mysql> grant insert(departamento) on departamento to usuario8@localhost;
Query OK, 0 rows affected (0,00 sec)
```

6.-Revocar los permisos de uno de los tres usuarios del primer ejercicio y de uno de los del tercero.

[Adjuntar capturas de pantalla](#)

```
mysql> revoke all on almacenistas.* from usuario1@localhost;
Query OK, 0 rows affected (0,02 sec)

mysql> revoke create view on almacenistas.departamento from usuario4@localhost;
Query OK, 0 rows affected (0,02 sec)
```

7.-Iniciar sesión con cada uno de esos usuarios y comprobar que ya no tienen permisos sobre la base de datos/tabla.

[Adjuntar capturas de pantalla](#)

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario1 -p
[sudo] contraseña para basesdatos:
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 185
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| performance_schema |
+-----+
2 rows in set (0,02 sec)
```

```
basesdatos@basesdatos-VirtualBox:~$ sudo mysql -u usuario4 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 186
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| performance_schema |
+-----+
2 rows in set (0,06 sec)

2 rows in set (0,02 sec)
```

Nota: si queréis ver los usuarios que tenéis creados en el sistema, entrando con el usuario root, usad el siguiente comando.

```
Select user from mysql.user;
```

Y si queréis ver los permisos de un usuario en concreto

```
Show grants for usuario@localhost
```

Donde usuario es el nombre del usuario que elijáis.