

```
joe@db-2021:~$ echo "Now let's manage our users and give them permissions on databases"
Now let's manage our users and give them permissions on databases
[joe@db-2021:~$ echo "First we will create a database"
First we will create a database
joe@db-2021:~$ █
```

```
mysql> show databases;
```

Database
information_schema
mysql
performance_schema
sys

```
4 rows in set (0.01 sec)
```

```
mysql> create database hogwarts;
```

```
Query OK, 1 row affected (0.06 sec)
```

```
mysql> █
```



```
mysql> show databases;
```

Database
hogwarts
information_schema
mysql
performance_schema
sys

```
5 rows in set (0.00 sec)
```

```
mysql> █
```

```
mysql> use hogwarts;
```

```
Database changed
```

```
mysql> show tables;
```

```
Empty set (0.01 sec)
```

```
mysql> █
```



```
mysql> drop database hogwarts;  
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> show databases;
```

Database
information_schema
mysql
performance_schema
sys

```
4 rows in set (0.00 sec)
```

```
mysql> █
```

```
mysql> create database hogwarts;  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> use mysql;  
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> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
5 rows in set (0.00 sec)
```

```
mysql> █
```



```
mysql> create user 'ron'@'localhost' identified by 'weasley123?';  
ERROR 1819 (HY000): Your password does not satisfy the current policy requirements  
mysql> █
```

```
mysql> create user 'ron'@'localhost' identified by 'w3asley123?';  
ERROR 1819 (HY000): Your password does not satisfy the current policy requirements  
mysql> create user 'ron'@'localhost' identified by 'Weasley123?';  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> █
```



```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
ron	localhost
root	localhost

6 rows in set (0.01 sec)

```
mysql> █
```

User	Host
debian-sys-maint	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
ron	localhost
root	localhost

6 rows in set (0.01 sec)

```
mysql> create user 'draco'@'localhost' identified by 'Malfoy123?';  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
ron	localhost
root	localhost

7 rows in set (0.00 sec)

```
mysql> █
```



```
mysql> drop user 'ron'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
6 rows in set (0.00 sec)
```

```
mysql> █
```

```
mysql> create user 'harry'@'localhost' identified by 'Potter123?';  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
harry	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
7 rows in set (0.00 sec)
```

```
mysql> grant all privileges on hogwarts.* to 'harry'@'localhost';  
Query OK, 0 rows affected (0.09 sec)
```

```
mysql> █
```



```
mysql> select User,Host,Db from db;
```

User	Host	Db
harry	localhost	hogwarts
mysql.session	localhost	performance_schema
mysql.sys	localhost	sys

3 rows in set (0.00 sec)

```
mysql> █
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
harry	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
7 rows in set (0.00 sec)
```

```
mysql> select User,Host,Db from db;
```

User	Host	Db
harry	localhost	hogwarts
mysql.session	localhost	performance_schema
mysql.sys	localhost	sys

```
3 rows in set (0.00 sec)
```

```
mysql> █
```



```
mysql> grant all privileges on hogwarts.* to 'draco'@'localhost';  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
harry	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
7 rows in set (0.00 sec)
```

```
mysql> select User,Host,Db from db;
```

User	Host	Db
draco	localhost	hogwarts
harry	localhost	hogwarts
mysql.session	localhost	performance_schema
mysql.sys	localhost	sys

```
4 rows in set (0.00 sec)
```

```
mysql> █
```

```
mysql> revoke all privileges on hogwarts.* from 'draco'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select User,Host,Db from db;
```

User	Host	Db
harry	localhost	hogwarts
mysql.session	localhost	performance_schema
mysql.sys	localhost	sys

```
3 rows in set (0.00 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
draco	localhost
harry	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
7 rows in set (0.00 sec)
```

```
mysql> █
```



```
mysql> drop user draco@localhost;  
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> select User,Host from user;
```

User	Host
debian-sys-maint	localhost
harry	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

```
6 rows in set (0.00 sec)
```

```
mysql> █
```

```
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> █
```



```
[mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)
```

```
[mysql> quit  
Bye
```

```
[joe@db-2021:~$ echo "This last command forces mysql to immediately re-read the permissions you have set"
```

```
This last command forces mysql to immediately re-read the permissions you have set  
joe@db-2021:~$ █
```