

```
joe@db-2021:~$ echo "Here is a basic tour of mysql"
```

```
Here is a basic tour of mysql
```

```
joe@db-2021:~$
```

```
joe@db-2021:~$ sudo mysql
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 12
```

```
Server version: 8.0.26-0ubuntu0.20.04.3 (Ubuntu)
```

```
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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> █
```



joe — joe@db-2021: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6571:cleopatra:6571 — 87x24

```
mysql> show databases;
```

```
mysql> show databases;
```

Database
information_schema
mysql
performance_schema
sys

```
4 rows in set (0.03 sec)
```

mysql> Those are the pre-existing databases. Note the semicolon at the end of any commands that I type at this terminal

```
[mysql> show databases;
```

```
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+-----+
```

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

```
[mysql> echo "We will use the mysql db later"
```

```
-> █
```

```
[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> The use statement specifies the database against which any subsequent commands will be executed
```



joe — joe@db-2021: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6571:cleopatra:6571 — 87x24

```
mysql> show tables;
```

```
| procs_priv  
| proxies_priv  
| replication_asynchronous_connection_failover  
| replication_asynchronous_connection_failover_managed  
| replication_group_configuration_version  
| replication_group_member_actions  
| role_edges  
| server_cost  
| servers  
| slave_master_info  
| slave_relay_log_info  
| slave_worker_info  
| slow_log  
| tables_priv  
| time_zone  
| time_zone_leap_second  
| time_zone_name  
| time_zone_transition  
| time_zone_transition_type  
| user
```

37 rows in set (0.01 sec)

mysql> █



```
[mysql> Let's look at the user table
```



```
mysql> describe user;
```

password_last_changed	timestamp	YES		NULL
password_lifetime	smallint unsigned	YES		NULL
account_locked	enum('N','Y')	NO		N
Create_role_priv	enum('N','Y')	NO		N
Drop_role_priv	enum('N','Y')	NO		N
Password_reuse_history	smallint unsigned	YES		NULL
Password_reuse_time	smallint unsigned	YES		NULL
Password_require_current	enum('N','Y')	YES		NULL
User_attributes	json	YES		NULL

51 rows in set (0.02 sec)

mysql> That shows all the fields in the table

Password_reuse_time	smallint unsigned	YES	NULL
Password_require_current	enum('N','Y')	YES	NULL
User_attributes	json	YES	NULL

51 rows in set (0.01 sec)

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

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

5 rows in set (0.00 sec)

```
mysql> That select statement shows us those two fields from that table
```

```
mysql> describe db;
```

Field	Type	Null	Key	Default	Extra
Host	char(255)	NO	PRI		
Db	char(64)	NO	PRI		
User	char(32)	NO	PRI		
Select_priv	enum('N','Y')	NO		N	
Insert_priv	enum('N','Y')	NO		N	
Update_priv	enum('N','Y')	NO		N	
Delete_priv	enum('N','Y')	NO		N	
Create_priv	enum('N','Y')	NO		N	
Drop_priv	enum('N','Y')	NO		N	
Grant_priv	enum('N','Y')	NO		N	
References_priv	enum('N','Y')	NO		N	
Index_priv	enum('N','Y')	NO		N	
Alter_priv	enum('N','Y')	NO		N	
Create_tmp_table_priv	enum('N','Y')	NO		N	
Lock_tables_priv	enum('N','Y')	NO		N	
Create_view_priv	enum('N','Y')	NO		N	
Show_view_priv	enum('N','Y')	NO		N	
Create_routine_priv	enum('N','Y')	NO		N	
Alter_routine_priv	enum('N','Y')	NO		N	
Execute_priv	enum('N','Y')	NO		N	
Event_priv	enum('N','Y')	NO		N	
Trigger_priv	enum('N','Y')	NO		N	

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

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

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

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

```
mysql> This particular query will allow us to see users that we have created.
```

```
[mysql> quit
```

```
Bye
```

```
joe@db-2021:~$ █
```