Demo of some simple SQL statements. Connection as a normal user.
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 7
Server version: 5.7.15-0ubuntu0.16.04.1 (Ubuntu)

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its 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>
```sql
mysql> show databases;
+----------------+
| Database       |
+----------------+
| information_schema |
| hogwarts        |
+----------------+
2 rows in set (0.00 sec)

mysql> use hogwarts;
Database changed
mysql> show tables;
Empty set (0.00 sec)
```

```sql
[mysql] show databases;
+-------------------+
| Database           |
+-------------------+
| information_schema |
| hogwarts          |
+-------------------+
2 rows in set (0.00 sec)

[mysql] use hogwarts;
Database changed
[mysql] show tables;
Empty set (0.00 sec)

[mysql] create table spells ( x INT );
Query OK, 0 rows affected (0.63 sec)
```
mysql> show tables;
+----------------+
| Tables_in_hogwarts |
+----------------+
| spells           |
+----------------+
1 row in set (0.00 sec)

mysql>
mysql> create table instructors (y INT);
Query OK, 0 rows affected (0.04 sec)

mysql> show tables;
+------------------+
| Tables_in_hogwarts |
| instructors       |
| spells            |
+------------------+
2 rows in set (0.00 sec)

mysql>
mysql> drop table instructors;
Query OK, 0 rows affected (0.11 sec)

mysql> show tables;
+-----------------------------+
| Tables_in_hogwarts          |
+-----------------------------+
| spells                      |
+-----------------------------+
1 row in set (0.00 sec)

mysql>
mysql> select * from spells;
Empty set (0.00 sec)

mysql>
```
[mysql] select * from spells;
Empty set (0.00 sec)

[mysql] insert into spells value(4);
Query OK, 1 row affected (0.18 sec)

[mysql] insert into spells (x) values (5);
Query OK, 1 row affected (0.01 sec)

[mysql] select * from spells;

+-------+
| x     |
+-------+
| 4     |
| 5     |
+-------+
2 rows in set (0.00 sec)

mysql>
```
```sql
mysql> select * from spells where x = 5;
+----+
| x  |
+----+
| 5  |
+----+
1 row in set (0.16 sec)
```
```sql
[mysql] delete from spells where x = 5;
Query OK, 1 row affected (0.01 sec)

[mysql] select * from spells where x = 5;
Empty set (0.00 sec)
```

```sql
mysql>
```
```sql
[mysql] insert into spells (x) values (20);
Query OK, 1 row affected (0.01 sec)

[mysql] insert into spells (x) values (44);
Query OK, 1 row affected (0.00 sec)

mysql>
```
```
mysql> select * from spells;
+----+
<table>
<thead>
<tr>
<th>x</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>44</td>
</tr>
</tbody>
</table>
+----+
3 rows in set (0.00 sec)
mysql>
```
mysql> update spells set x = 55 where x = 20;
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from spells;

+-----+
<table>
<thead>
<tr>
<th>x</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>55</td>
</tr>
<tr>
<td>44</td>
</tr>
</tbody>
</table>
+-----+

3 rows in set (0.00 sec)

mysql>
[mysql> quit
Bye

joe@db-thegummibear:~$