

```
Pauls-MacBook-Pro:~ Paul$ mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 7
Server version: 10.0.21-MariaDB Homebrew
```

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

```
MariaDB [(none)]> create database c4DB;
Query OK, 1 row affected (0.36 sec)
```

```
MariaDB [(none)]> show databases;
```

| Database |
|--------------------|
| c4DB |
| demoDB |
| emailsDB |
| entriesDB |
| information_schema |
| myexamDB |
| mysql |
| peopleDB |
| performance_schema |
| searchDB |
| stfcDB |
| stfcDBall |
| test |

13 rows in set (0.32 sec)

```
MariaDB [(none)]> grant all on c4DB.* to c4user identified by 'c4userpasswd';
Query OK, 0 rows affected (0.37 sec)
```

```
MariaDB [(none)]> quit
```

Bye

```
Pauls-MacBook-Pro:~ Paul$
```

```
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```
Pauls-MacBook-Pro:~ Paul$ mysql -u c4user -p c4DB
```

Enter password:

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

Your MariaDB connection id is 8

Server version: 10.0.21-MariaDB Homebrew

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

```
MariaDB [c4DB]> show tables;
```

Empty set (0.00 sec)

```
MariaDB [c4DB]> create table log (
-> phrase varchar(256),
-> letters varchar(64),
-> results varchar(32) );
```

Query OK, 0 rows affected (0.69 sec)

```
MariaDB [c4DB]> show tables;
```

| Tables_in_c4DB |
|----------------|
| log |

1 row in set (0.00 sec)

MariaDB [c4DB]> desc log;

| Field | Type | Null | Key | Default | Extra |
|---------|--------------|------|-----|---------|-------|
| phrase | varchar(256) | YES | | NULL | |
| letters | varchar(64) | YES | | NULL | |
| results | varchar(32) | YES | | NULL | |

3 rows in set (0.33 sec)

MariaDB [c4DB]> insert into log (phrase, letters, results) values ('hitch-hiker', 'aeiou', '{ 'i', 'e' }');

Query OK, 1 row affected (0.02 sec)

MariaDB [c4DB]> select * from log;

| phrase | letters | results |
|-------------|---------|--------------|
| hitch-hiker | aeiou | { 'i', 'e' } |

1 row in set (0.00 sec)

MariaDB [c4DB]> insert into log (phrase, letters, results) values ('hitch-hiker', 'xyz', "set()");

Query OK, 1 row affected (0.01 sec)

MariaDB [c4DB]> insert into log (phrase, letters, results) values ('testing', 's', "{ 's' }");

Query OK, 1 row affected (0.00 sec)

MariaDB [c4DB]> select * from log;

| phrase | letters | results |
|-------------|---------|--------------|
| hitch-hiker | aeiou | { 'i', 'e' } |
| hitch-hiker | xyz | set() |
| testing | s | { 's' } |

3 rows in set (0.00 sec)

MariaDB [c4DB]> select letters from log;

| letters |
|---------|
| aeiou |
| xyz |
| s |

3 rows in set (0.00 sec)

MariaDB [c4DB]> select letters, results, phrase from log;

| letters | results | phrase |
|---------|--------------|-------------|
| aeiou | { 'i', 'e' } | hitch-hiker |
| xyz | set() | hitch-hiker |
| s | { 's' } | testing |

3 rows in set (0.00 sec)

MariaDB [c4DB]> select * from log;

| phrase | letters | results |
|-------------|---------|--------------|
| hitch-hiker | aeiou | { 'i', 'e' } |
| hitch-hiker | xyz | set() |
| testing | s | { 's' } |

3 rows in set (0.00 sec)

```
MariaDB [c4DB]> select * from log
-> where phrase='testing';
```

| phrase | letters | results |
|---------|---------|---------|
| testing | s | { 's' } |

1 row in set (0.02 sec)

```
MariaDB [c4DB]> update log
-> set results = "{ 's' }"
-> where phrase='testing';
```

Query OK, 1 row affected (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
MariaDB [c4DB]> select * from log;
```

| phrase | letters | results |
|-------------|---------|--------------|
| hitch-hiker | aeiou | { 'i', 'e' } |
| hitch-hiker | xyz | set() |
| testing | s | { 's' } |

3 rows in set (0.01 sec)

```
MariaDB [c4DB]> update log set results = "{ 's' }";
```

Query OK, 2 rows affected (0.01 sec)

Rows matched: 3 Changed: 2 Warnings: 0

```
MariaDB [c4DB]> select * from log;
```

| phrase | letters | results |
|-------------|---------|---------|
| hitch-hiker | aeiou | { 's' } |
| hitch-hiker | xyz | { 's' } |
| testing | s | { 's' } |

3 rows in set (0.00 sec)

```
MariaDB [c4DB]> delete from log where phrase = 'testing';
```

Query OK, 1 row affected (0.31 sec)

```
MariaDB [c4DB]> select * from log;
```

| phrase | letters | results |
|-------------|---------|---------|
| hitch-hiker | aeiou | { 's' } |
| hitch-hiker | xyz | { 's' } |

2 rows in set (0.00 sec)

```
MariaDB [c4DB]> delete from log;
```

Query OK, 2 rows affected (0.01 sec)

```
MariaDB [c4DB]> select * from log;
```

Empty set (0.00 sec)

```
MariaDB [c4DB]> drop table log;
```

Query OK, 0 rows affected (0.08 sec)

```
MariaDB [c4DB]> show tables;
```

Empty set (0.00 sec)

```
MariaDB [c4DB]> create table log ( phrase varchar(256), letters varchar(64),
results varchar(32) );
```

Query OK, 0 rows affected (0.38 sec)

```
MariaDB [c4DB]> insert into log (phrase, letters, results) values ('hitch-  
hiker', 'xyz', "set()");
```

```
Query OK, 1 row affected (0.00 sec)
```

```
MariaDB [c4DB]> insert into log (phrase, letters, results) values ('hitch-  
hiker', 'r', "{ 'r' }");
```

```
Query OK, 1 row affected (0.00 sec)
```

```
MariaDB [c4DB]> insert into log (phrase, letters, results) values ('hitch-  
hiker', 'aeiou', "{ 'i', 'e' }");
```

```
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [c4DB]> select * from log;
```

| phrase | letters | results |
|-------------|---------|--------------|
| hitch-hiker | xyz | set() |
| hitch-hiker | r | { 'r' } |
| hitch-hiker | aeiou | { 'i', 'e' } |

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

```
MariaDB [c4DB]> quit
```

```
Bye
```

```
Pauls-MacBook-Pro:~ Paul$
```