

```
[testuser@lab177 ~]$ mysql -u testuser -p
```

```
Enter password:
```

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

```
Your MariaDB connection id is 22
```

```
Server version: 10.3.27-MariaDB MariaDB Server
```

```
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
```

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

```
MariaDB [(none)]> use testy
```

```
Database changed
```

```
MariaDB [testy]> CREATE TABLE user_review (id MEDIUMINT NOT NULL AUTO_INCREMENT PRIMARY KEY,reviewer_name CHAR(100),star_rating TINYINT,details VARCHAR(4000));
```

```
Query OK, 0 rows affected (0.091 sec)
```

```
MariaDB [testy]> INSERT INTO user_review (reviewer_name, star_rating, details) VALUES ('Ben', '5', 'Love the calzone!');
```

```
Query OK, 1 row affected (0.005 sec)
```

```
MariaDB [testy]> INSERT INTO user_review (reviewer_name, star_rating, details) VALUES ('Leslie', '1', 'Calzones are the worst.');
```

```
Query OK, 1 row affected (0.027 sec)
```

```
MariaDB [testy]> SELECT * FROM user_review
```

```
-> ;
```

id	reviewer_name	star_rating	details
1	Ben	5	Love the calzone!
2	Leslie	1	Calzones are the worst.

```
2 rows in set (0.001 sec)
```

```
MariaDB [testy]> █
```

```
[testuser@lab177 ~]$ mysql -u testuser -h 192.168.134.177 -p
```

```
Enter password:
```

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

```
Your MariaDB connection id is 23
```

```
Server version: 10.3.27-MariaDB MariaDB Server
```

```
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
```

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

```
MariaDB [(none)]> use testy
```

```
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
```

```
MariaDB [testy]> SELECT * FROM user_review;
```

```
+-----+-----+-----+-----+
| id | reviewer_name | star_rating | details |
+-----+-----+-----+-----+
| 1 | Ben | 5 | Love the calzone! |
| 2 | Leslie | 1 | Calzones are the worst. |
+-----+-----+-----+-----+
```

```
2 rows in set (0.001 sec)
```

```
MariaDB [testy]> █
```

```
root@lab177:/var/log/httpd
GNU nano 4.3 /var/www/html/sqlskrypt2.php
<?php
$servername = "localhost";
$username = "testuser";
$password = "testuser";
$dbname = "testy";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT * FROM user_review";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        print_r($row);
    }
} else {
    echo "0 results";
}
$conn->close();
?>
```

[Read 21 lines]

⌵ Get Help ⌵ Write Out ⌵ Where Is ⌵ Cut Text ⌵ Justify ⌵ Cur Pos
⌵ Exit ⌵ Read File ⌵ Replace ⌵ Paste Text ⌵ To Spell ⌵ Go To Line

```
testuser@lab177:~
MariaDB [testy]> SELECT * FROM user_review;
+-----+-----+-----+-----+
| id | reviewer_name | star_rating | details |
+-----+-----+-----+-----+
| 1 | Ben | 5 | Love the calzone! |
| 2 | Leslie | 1 | Calzones are the worst. |
| 3 | Michal | 3 | Calzones are not bad. |
+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [testy]> 
```

Array ([id] => 1 [reviewer_name] => Ben [star_rating] => 5 [details] => Love the calzone!) Array ([id] => 2 [reviewer_name] => Leslie [star_rating] => 1 [details] => Calzones are the worst.) Array ([id] => 3 [reviewer_name] => Michal [star_rating] => 3 [details] => Calzones are not bad.) Array ([id] => 4 [reviewer_name] => Jan [star_rating] => 4 [details] => Like calzone!)

```
root@lab177:~/var/www/html
GNU nano 4.3 sqlskrypt2.php
<?php
$servername = "localhost";
$username = "testuser";
$password = "testuser";
$dbname = "testy";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT * FROM user_review";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        print_r($row);
    }
} else {
    echo "0 results";
}
$conn->close();
?>
```

[Read 21 lines]

Get Help Write Out Where Is Cut Text Justify Cur Pos
Exit Read File Replace Paste Text To Spell Go To Line

```
testuser@lab177:~
+-----+
| id | reviewer_name | star_rating | details |
+-----+
| 1 | Ben | 5 | Love the calzone! |
| 2 | Leslie | 1 | Calzones are the worst. |
| 3 | Michal | 3 | Calzones are not bad. |
+-----+
3 rows in set (0.019 sec)

MariaDB [testy]> INSERT INTO user_review (reviewer_name, star_rating, details) VALUES ('Jan', '4', 'Like c
alzone!');
Query OK, 1 row affected (0.157 sec)

MariaDB [testy]> SELECT * FROM user_review;
+-----+
| id | reviewer_name | star_rating | details |
+-----+
| 1 | Ben | 5 | Love the calzone! |
| 2 | Leslie | 1 | Calzones are the worst. |
| 3 | Michal | 3 | Calzones are not bad. |
| 4 | Jan | 4 | Like calzone! |
+-----+
4 rows in set (0.001 sec)

MariaDB [testy]>
```

```

root@lab177:/home/mwendt
| 2021-01-08 20:27:04.368599 | testuser[testuser] @ localhost [] | 33 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:27:04.369610 | testuser[testuser] @ localhost [] | 33 | 1 | Quit |
| 2021-01-08 20:29:29.114788 | [testuser] @ localhost [] | 34 | 1 | Connect | testuser@localhost as anonymous on testy
| 2021-01-08 20:29:29.115361 | testuser[testuser] @ localhost [] | 34 | 1 | Quit |
| 2021-01-08 20:30:56.704049 | [testuser] @ localhost [] | 35 | 1 | Connect | testuser@localhost as anonymous on testy
| 2021-01-08 20:30:56.704645 | testuser[testuser] @ localhost [] | 35 | 1 | Quit |
| 2021-01-08 20:32:01.622900 | [testuser] @ localhost [] | 36 | 1 | Connect | testuser@localhost as anonymous on testy
| 2021-01-08 20:32:01.623243 | testuser[testuser] @ localhost [] | 36 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:32:01.624491 | testuser[testuser] @ localhost [] | 36 | 1 | Quit |
| 2021-01-08 20:32:30.951451 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 25 | 1 | Quit |
| 2021-01-08 20:32:42.455310 | [testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Connect | testuser@lab177.domlab177.studmat.uni.torun.pl as anonymous on
| 2021-01-08 20:32:42.494093 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | select @@version_comment limit 1
| 2021-01-08 20:32:48.202484 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:32:54.798474 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | SELECT DATABASE ()
| 2021-01-08 20:32:54.827446 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Init DB | testy
| 2021-01-08 20:32:54.829924 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | show databases
| 2021-01-08 20:32:54.877158 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | show tables
| 2021-01-08 20:32:54.878597 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Field List | user_review
| 2021-01-08 20:32:57.895722 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:33:05.895819 | [testuser] @ localhost [] | 38 | 1 | Connect | testuser@localhost as anonymous on testy
| 2021-01-08 20:33:05.896105 | testuser[testuser] @ localhost [] | 38 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:33:05.896960 | testuser[testuser] @ localhost [] | 38 | 1 | Quit |
| 2021-01-08 20:34:51.004914 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | INSERT INTO user_review (reviewer_name, star_rating, details) VALUES ('Jan', '4', 'Like calzone!')
| 2021-01-08 20:35:04.708915 | testuser[testuser] @ lab177.domlab177.studmat.uni.torun.pl [192.168.134.177] | 37 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:35:07.702393 | [testuser] @ localhost [] | 39 | 1 | Connect | testuser@localhost as anonymous on testy
| 2021-01-08 20:35:07.702683 | testuser[testuser] @ localhost [] | 39 | 1 | Query | SELECT * FROM user_review
| 2021-01-08 20:35:07.703734 | testuser[testuser] @ localhost [] | 39 | 1 | Quit |
| 2021-01-08 20:36:05.285422 | root[root] @ localhost [] | 8 | 1 | Query | SET global general_log = 1
| 2021-01-08 20:36:05.315001 | root[root] @ localhost [] | 8 | 1 | Query | SET global log_output = 'table'
| 2021-01-08 20:36:09.588998 | root[root] @ localhost [] | 8 | 1 | Query | SELECT * FROM mysql. general_log
+-----+
35 rows in set (0.054 sec)

```



```
root@lab177:/home/mwendt
2021-01-08 15:23:18 0 [Note] InnoDB: Shutdown completed; log sequence number 1632887; transaction id 38
2021-01-08 15:23:18 0 [Note] InnoDB: Removed temporary tablespace data file: "ibtmp1"
2021-01-08 15:23:18 0 [Note] /usr/libexec/mysqld: Shutdown complete

2021-01-08 15:23:19 0 [Note] InnoDB: Using Linux native AIO
2021-01-08 15:23:19 0 [Note] InnoDB: Mutexes and rw_locks use GCC atomic builtins
2021-01-08 15:23:19 0 [Note] InnoDB: Uses event mutexes
2021-01-08 15:23:19 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
2021-01-08 15:23:19 0 [Note] InnoDB: Number of pools: 1
2021-01-08 15:23:19 0 [Note] InnoDB: Using SSE2 crc32 instructions
2021-01-08 15:23:19 0 [Note] InnoDB: Initializing buffer pool, total size = 128M, instances = 1, chunk size = 128M
2021-01-08 15:23:19 0 [Note] InnoDB: Completed initialization of buffer pool
2021-01-08 15:23:19 0 [Note] InnoDB: If the mysqld execution user is authorized, page cleaner thread priority can be changed. See the man page of setpriority().
2021-01-08 15:23:19 0 [Note] InnoDB: 128 out of 128 rollback segments are active.
2021-01-08 15:23:19 0 [Note] InnoDB: Creating shared tablespace for temporary tables
2021-01-08 15:23:19 0 [Note] InnoDB: Setting file './ibtmp1' size to 12 MB. Physically writing the file full; Please wait ...
2021-01-08 15:23:19 0 [Note] InnoDB: File './ibtmp1' size is now 12 MB.
2021-01-08 15:23:19 0 [Note] InnoDB: Waiting for purge to start
2021-01-08 15:23:19 0 [Note] InnoDB: 10.3.27 started; log sequence number 1632887; transaction id 37
2021-01-08 15:23:19 0 [Note] InnoDB: Loading buffer pool(s) from /var/lib/mysql/ib_buffer_pool
2021-01-08 15:23:19 0 [Note] InnoDB: Buffer pool(s) load completed at 210108 15:23:19
2021-01-08 15:23:19 0 [Note] Plugin 'FEEDBACK' is disabled.
2021-01-08 15:23:19 0 [Note] Server socket created on IP: '0.0.0.0'.
2021-01-08 15:23:19 0 [Note] Reading of all Master info entries succeeded
2021-01-08 15:23:19 0 [Note] Added new Master info '' to hash table
2021-01-08 15:23:19 0 [Note] /usr/libexec/mysqld: ready for connections.
Version: '10.3.27-MariaDB' socket: '/var/lib/mysql/mysql.sock' port: 3306 MariaDB Server
2021-01-08 15:24:08 0 [Note] /usr/libexec/mysqld (initiated by: unknown): Normal shutdown
2021-01-08 15:24:08 0 [Note] InnoDB: FTS optimize thread exiting.
2021-01-08 15:24:09 0 [Note] Event Scheduler: Purging the queue. 0 events
2021-01-08 15:24:09 0 [Note] InnoDB: Starting shutdown...
2021-01-08 15:24:09 0 [Note] InnoDB: Dumping buffer pool(s) to /var/lib/mysql/ib_buffer_pool
2021-01-08 15:24:09 0 [Note] InnoDB: Buffer pool(s) dump completed at 210108 15:24:09
2021-01-08 15:24:09 0 [Note] InnoDB: Shutdown completed; log sequence number 1632896; transaction id 38
2021-01-08 15:24:09 0 [Note] InnoDB: Removed temporary tablespace data file: "ibtmp1"
2021-01-08 15:24:09 0 [Note] /usr/libexec/mysqld: Shutdown complete

2021-01-08 15:24:10 0 [Note] InnoDB: Using Linux native AIO
2021-01-08 15:24:10 0 [Note] InnoDB: Mutexes and rw_locks use GCC atomic builtins
2021-01-08 15:24:10 0 [Note] InnoDB: Uses event mutexes
2021-01-08 15:24:10 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
2021-01-08 15:24:10 0 [Note] InnoDB: Number of pools: 1
2021-01-08 15:24:10 0 [Note] InnoDB: Using SSE2 crc32 instructions
2021-01-08 15:24:10 0 [Note] InnoDB: Initializing buffer pool, total size = 128M, instances = 1, chunk size = 128M
2021-01-08 15:24:10 0 [Note] InnoDB: Completed initialization of buffer pool
2021-01-08 15:24:10 0 [Note] InnoDB: If the mysqld execution user is authorized, page cleaner thread priority can be changed. See the man page of setpriority().
2021-01-08 15:24:10 0 [Note] InnoDB: 128 out of 128 rollback segments are active.
2021-01-08 15:24:10 0 [Note] InnoDB: Creating shared tablespace for temporary tables
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2021-01-08 15:24:10 0 [Note] InnoDB: Buffer pool(s) load completed at 210108 15:24:10
2021-01-08 15:24:10 0 [Note] Plugin 'FEEDBACK' is disabled.
2021-01-08 15:24:10 0 [Note] Server socket created on IP: '0.0.0.0'.
2021-01-08 15:24:10 0 [Note] Reading of all Master info entries succeeded
2021-01-08 15:24:10 0 [Note] Added new Master info '' to hash table
2021-01-08 15:24:10 0 [Note] /usr/libexec/mysqld: ready for connections.
Version: '10.3.27-MariaDB' socket: '/var/lib/mysql/mysql.sock' port: 3306 MariaDB Server
2021-01-08 17:25:35 0 [Note] /usr/libexec/mysqld (initiated by: unknown): Normal shutdown
2021-01-08 17:25:35 0 [Note] Event Scheduler: Purging the queue. 0 events
2021-01-08 17:25:35 0 [Note] InnoDB: FTS optimize thread exiting.
```