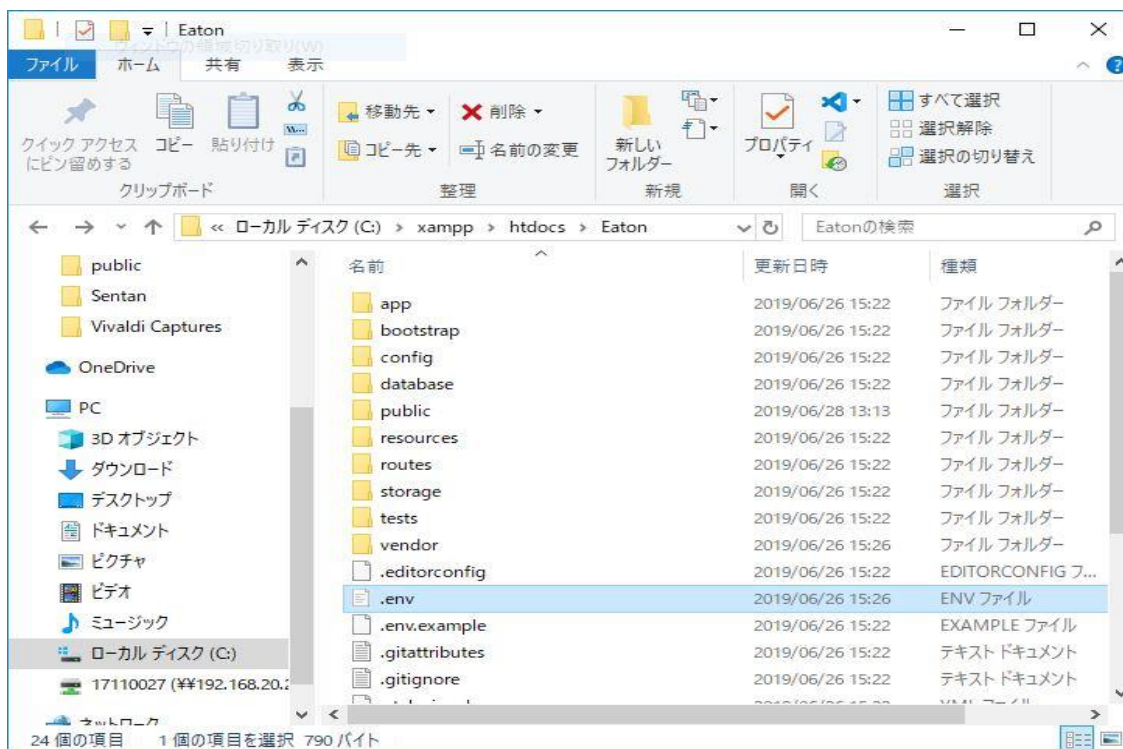


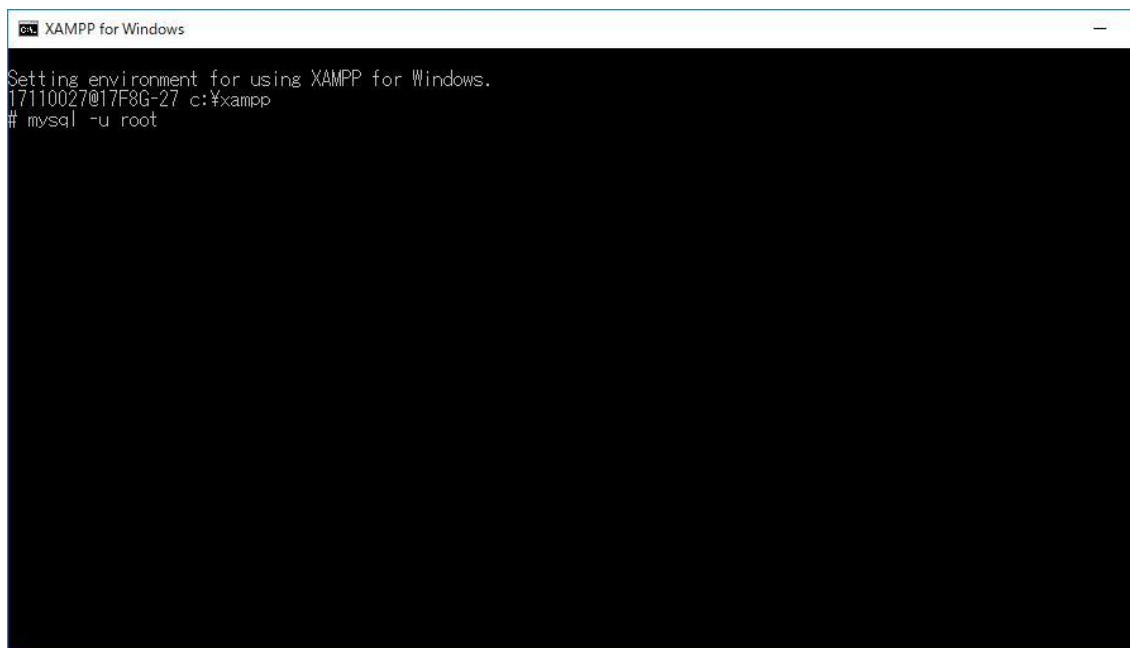
Laravel で MySQL の使い方



- ① プロジェクトフォルダ内の「.env」をテキストエディタで開く。

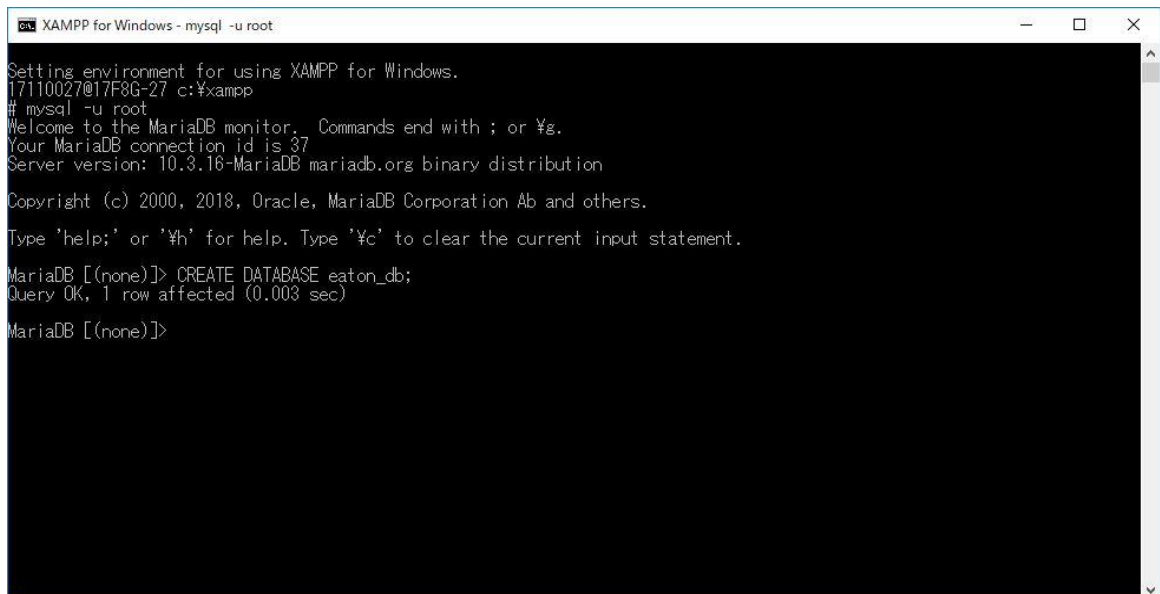
```
12 DB_DATABASE=eaton_db
13 DB_USERNAME=eaton_user
14 DB_PASSWORD=moai_eaton
```

- ② 「.env」内の上記の項目を、「データベース名」「ユーザ名」「パスワード」の順に入力して保存する。



Laravel で MySQL の使い方

- ③ `mysql -u root` でログインする。(xampp はデフォルトで root ユーザは password が無い)



```
XAMPP for Windows - mysql -u root
Setting environment for using XAMPP for Windows.
17110027@17F8G-27 c:¥xampp
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or ¥g.
Your MariaDB connection id is 37
Server version: 10.3.16-MariaDB mariadb.org binary distribution

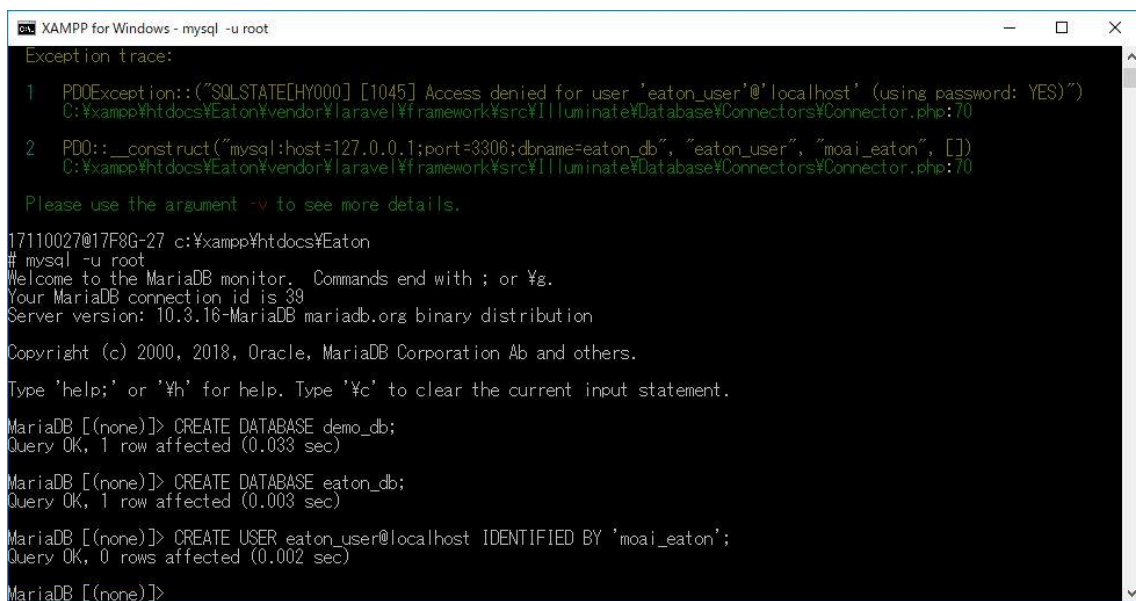
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> CREATE DATABASE eaton_db;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]>
```

- ④ ログインできたら「CREATE DATABASE データベース名;」でデータベースを作成。
②で入力したデータベース名と同じ名前を使う。



```
XAMPP for Windows - mysql -u root
Exception trace:
 1 PDOException::("SQLSTATE[HY000] [1045] Access denied for user 'eaton_user'@'localhost' (using password: YES)")
   C:¥xampp¥htdocs¥Eaton¥vendor¥laravel¥framework¥src¥Illuminate¥Database¥Connectors¥Connector.php:70
 2 PDO::__construct("mysql:host=127.0.0.1;port=3306;dbname=eaton_db","eaton_user","moai_eaton",[])
   C:¥xampp¥htdocs¥Eaton¥vendor¥laravel¥framework¥src¥Illuminate¥Database¥Connectors¥Connector.php:70

Please use the argument -v to see more details.
17110027@17F8G-27 c:¥xampp¥htdocs¥Eaton
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or ¥g.
Your MariaDB connection id is 39
Server version: 10.3.16-MariaDB mariadb.org binary distribution

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)]> CREATE DATABASE demo_db;
Query OK, 1 row affected (0.033 sec)

MariaDB [(none)]> CREATE DATABASE eaton_db;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> CREATE USER eaton_user@localhost IDENTIFIED BY 'moai_eaton';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]>
```

- ⑤ 次に、「CREATE USER ユーザ名@localhost IDENTIFIED BY 'パスワード;」で作成したデータベースを変更できるアカウントの「ユーザ名」と「パスワード」を作成。
②で入力したデータベース名と同じ名前を使う。

Laravel で MySQL の使い方

```
XAMPP for Windows - mysql -u root
C:\xampp\htdocs\Eaton\vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:70
2 PDO::__construct("mysql:host=127.0.0.1;port=3306;dbname=eaton_db","eaton_user","moai_eaton",[])
C:\xampp\htdocs\Eaton\vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:70

Please use the argument -v to see more details.

17110027@17F8G-27 c:\xampp\htdocs\Eaton
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.3.16-MariaDB mariadb.org binary distribution

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)]> CREATE DATABASE demo_db;
Query OK, 1 row affected (0.033 sec)

MariaDB [(none)]> CREATE DATABASE eaton_db;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> CREATE USER eaton_user@localhost IDENTIFIED BY 'moai_eaton';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> GRANT ALL ON eaton_db.* TO eaton_user@localhost IDENTIFIED BY 'moai_eaton';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]>
```

- ⑥ 「GRANT ALL ON データベース名.* TO ユーザ名@localhost IDENTIFIED BY 'パスワード」で、⑤で作成したアカウントに権限を持たせる。

```
XAMPP for Windows
MariaDB [(none)]> quit
Bye

17110027@17F8G-27 c:\xampp\htdocs\Eaton
# php artisan migrate

Command "migrate" is not defined.

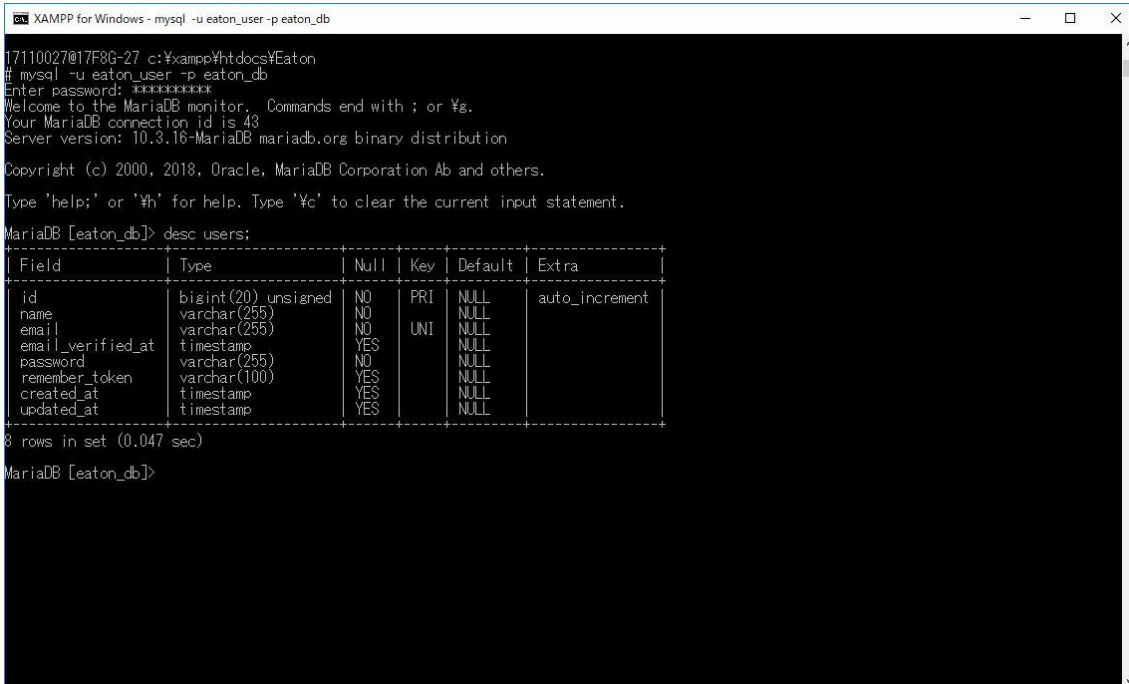
Did you mean one of these?
migrate
migrate:fresh
migrate:install
migrate:refresh
migrate:reset
migrate:rollback
migrate:status

17110027@17F8G-27 c:\xampp\htdocs\Eaton
# php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table

17110027@17F8G-27 c:\xampp\htdocs\Eaton
#
```

- ⑦ 「quit」でmysqlを終了させて、「htdocs」内に作成していた、プロジェクトフォルダ内にcdで遷移して、「php artisan migrate」でマイグレーション実行する。

Laravel で MySQL の使い方



```
17110027@17F8G-27 c:\xampp\htdocs\Eaton
# mysql -u eaton_user -p eaton_db
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 43
Server version: 10.3.18-MariaDB mariadb.org binary distribution

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 [eaton_db]> desc users;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id    | bigint(20) unsigned | NO | PRI | NULL | auto_increment |
| name  | varchar(255) | NO | | NULL | |
| email | varchar(255) | NO | UNI | NULL | |
| email_verified_at | timestamp | YES | | NULL | |
| password | varchar(255) | NO | | NULL | |
| remember_token | varchar(100) | YES | | NULL | |
| created_at | timestamp | YES | | NULL | |
| updated_at | timestamp | YES | | NULL | |
+-----+-----+-----+-----+-----+
8 rows in set (0.047 sec)

MariaDB [eaton_db]>
```

- ⑧ 「mysql -u ユーザ名 -p データベース名」で MySQL を実行。
- ⑨ 「desc users;」でテーブルが出てくれば成功！