

Steps to make the php mysql
thing work

1. Follow this tutorial step by step

- You can repeat steps if needed, no harm should come of it
- If you need to uninstall and reinstall stuff you can, if repeating the steps doesn't work.
- <https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mysql-php-lamp-stack-on-centos-7>
- The last step (checking if php works) requires you to make a file called info.php and copy and paste this (and only this) into it:

```
<?php
phpinfo();
?>
```
- Test all your things at <http://localhost/info.php>

2. Then do this

- Delete everything in info.php
- Copy and paste the first example from w3schools into info.php:
https://www.w3schools.com/php/php_mysql_select.asp
- Save and quit the file

3. Then do this

- Follow this mysql screenshot exactly (well maybe not the parts where I made errors, but typing exactly what I typed should do no harm)

```
MariaDB [(none)]> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| demoDatabase |
| mysql |
| performance_schema |
+-----+
4 rows in set (0.00 sec)

MariaDB [(none)]> create database myDB
-> ;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use myDB
Database changed
MariaDB [myDB]> ls
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your Ma
MariaDB [myDB]> create Table MyGuests (id integer, firstname Text, lastname Text)
-> ;
Query OK, 0 rows affected (0.02 sec)

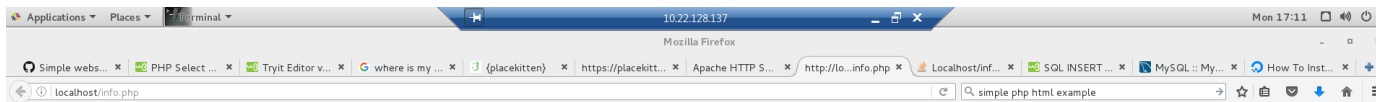
MariaDB [myDB]> insert into MyGuests (1, Victoria, Chu);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your Ma
MariaDB [myDB]> insert into MyGuests values (1, Victoria, Chu);
ERROR 1054 (42S22): Unknown column 'Victoria' in 'field list'
MariaDB [myDB]> insert into MyGuests (id, firstname,lastname)values (1, Victoria, Chu);
ERROR 1054 (42S22): Unknown column 'Victoria' in 'field list'
MariaDB [myDB]> insert into MyGuests (id, firstname,lastname) values (1, 'Victoria', 'Chu');
Query OK, 1 row affected (0.00 sec)

MariaDB [myDB]> create user 'username'@'localhost' identified by 'password'
-> ;
Query OK, 0 rows affected (0.00 sec)

MariaDB [myDB]> grant all privileges on *.* to 'username'@'localhost'
-> ;
Query OK, 0 rows affected (0.00 sec)
```

4. Getting the results

- If all goes well you should get this when you test at <http://localhost/info.php>



id: 1 - Name: Victoria Chu

```
root@OC135-VicC:~  
File Edit View Search Terminal Help  
Query OK, 0 rows affected (0.02 sec)  
  
MariaDB [myDB]> insert into MyGuests (1, Victoria, Chu);  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that  
corresponds to your MariaDB server version for the right syntax to use near '1,  
Victoria, Chu)' at line 1  
MariaDB [myDB]> insert into MyGuests values (1, Victoria, Chu);  
ERROR 1054 (42S22): Unknown column 'Victoria' in 'field list'  
MariaDB [myDB]> insert into MyGuests (id,firstname,lastname)values (1, Victoria  
, Chu);  
ERROR 1054 (42S22): Unknown column 'Victoria' in 'field list'  
MariaDB [myDB]> insert into MyGuests (id, firstname,lastname) values (1, 'Victor  
ia', 'Chu');  
Query OK, 1 row affected (0.00 sec)  
  
MariaDB [myDB]> create user 'username'@'localhost' identified by 'password'  
-> ;  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [myDB]> grant all privileges on *.* to 'username'@'localhost'  
-> ;  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [myDB]>
```

```
root@OC135-VicC:/var/www/html  
File Edit View Search Terminal Help  
DOCTYPE html>  
<html>  
<body>  
  
<?php  
$servername = "localhost";  
$username = "username";  
$password = "password";  
$dbname = "myDB";  
  
// Create connection  
$conn = new mysqli($servername, $username, $password, $dbname);  
// Check connection  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
  
$sql = "SELECT id, firstname, lastname FROM MyGuests";  
$result = $conn->query($sql);  
  
if ($result->num_rows > 0) {  
    // output data of each row  
    while($row = $result->fetch_assoc()) {
```

5. More questions?

- Send me an email at Victoria.Chu@berkeley.edu
- DM me
- I have attached the code
- If you named your server something different try replacing localhost with that name in the info.php