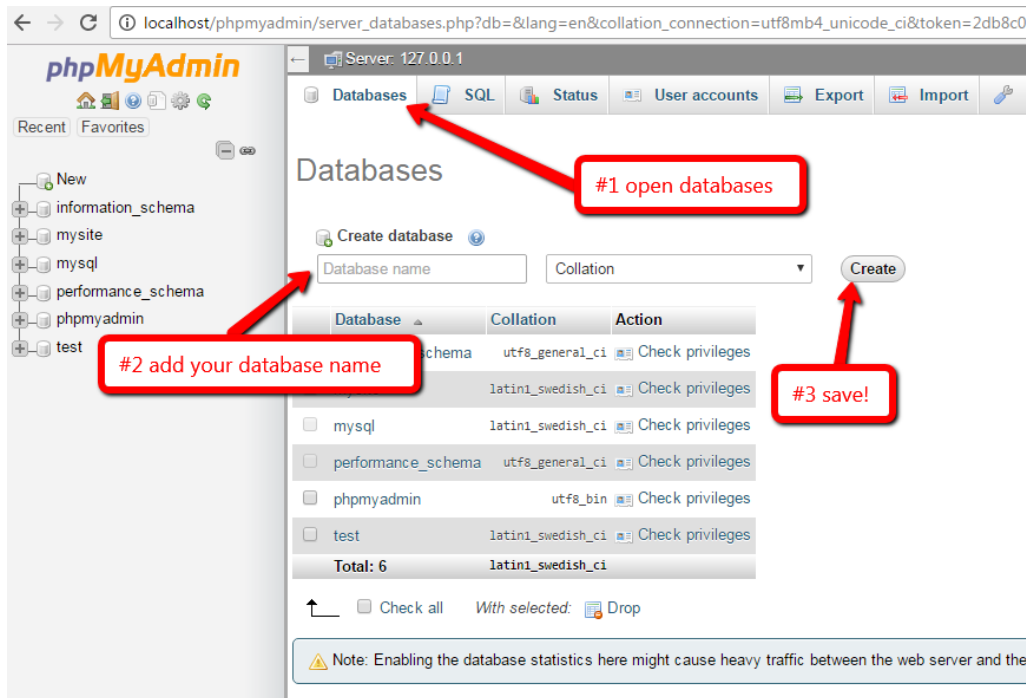


Lorem Framework Tutorials – Part 2

VI - Setting up Database and Configuration file

First, we need to have our database to connect with. Open *localhost/phpmyadmin*:



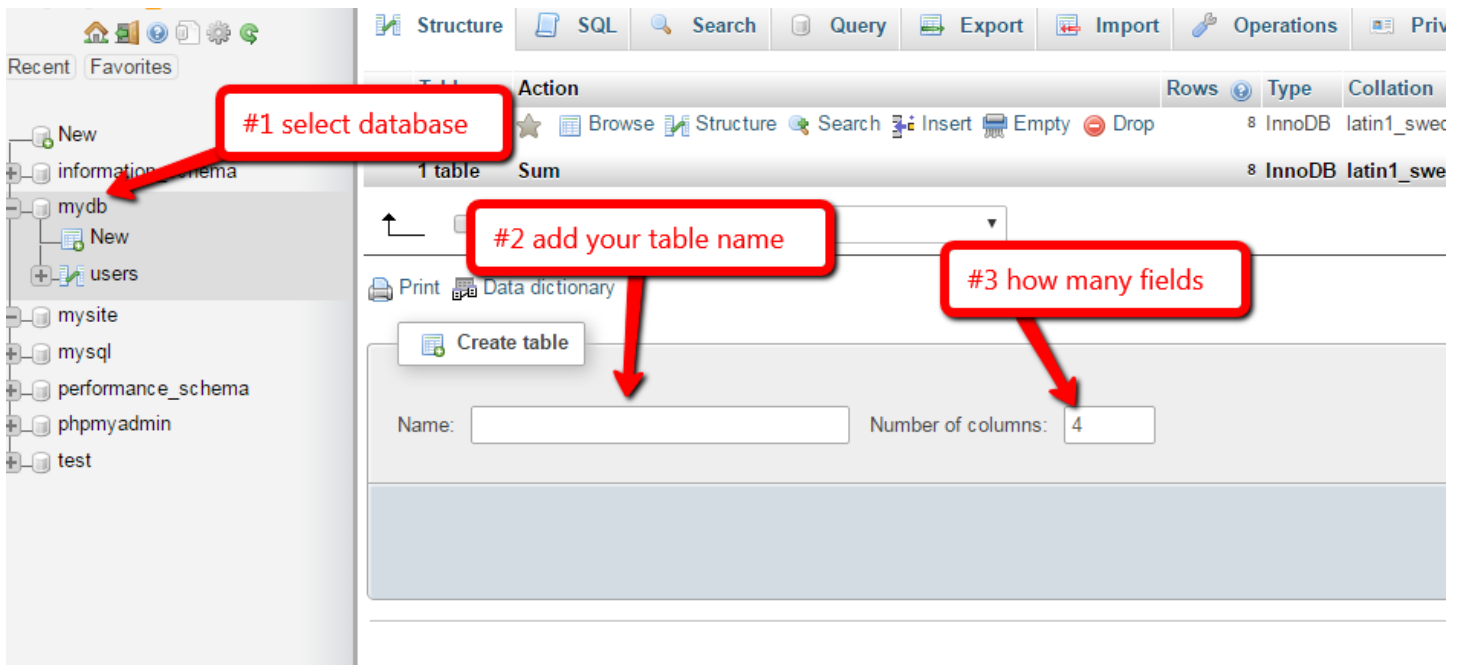
For this exercise, let's name our database "mydb". After you created the database, open config.php and update the file to this:

```
define( 'DBHOST', 'localhost' );
define( 'DBUSER', 'root' );
define( 'DBPASS', '' );
define( 'DBNAME', 'mydb' );
```

Let's leave the values by default except for the constant variable **DBNAME**, set the value to the name of the database you just created.

Next, let's add a new table in your database called 'users' and has this structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop
<input type="checkbox"/>	2 username	varchar(30)	latin1_swedish_ci		No	None			Change Drop
<input type="checkbox"/>	3 password	char(32)	latin1_swedish_ci		No	None			Change Drop
<input type="checkbox"/>	4 utype	varchar(20)	latin1_swedish_ci		No	None			Change Drop



VII - Adding new records

Create a new page called **“add-new-user.php”** then save it in the **“pages”** folder then add the following codes:

```
<?php element( 'header' ); ?>
<form method="post">
    <input type="hidden" name="action" value="add_new_user">
    <label>Username</label>
    <input type="text" name="username"><br>
    <label>Password</label>
    <input type="text" name="password"><br>
    <label>Type</label>
    <input type="text" name="utype"><br>
    <input type="submit" value="Add new user">
</form>
<?php element( 'footer' ); ?>
```

In this code, you’ll see there is a hidden input, the value corresponds to a file in the **“actions”** folder.

```
<input type="hidden" name="action" value="add_new_user">
```

We are going to send the data to an action called **“add_new_user.php”** which can be found in the **“actions”** folder.

Next, let’s create the action **“add_new_user.php”** and save it in the **“actions”** folder then add the following code:

```
<?php
    $username    = $_POST[ 'username' ];
    $password    = md5( $_POST[ 'password' ] );
    $utype       = $_POST[ 'utype' ];
    $DB->query( "INSERT INTO users ( username, password, utype ) VALUES( '$username',
    '$password', '$utype' )" );
```

Now, open your browser and enter **http://localhost/mysite/?page=add-new-user** then new users.

Username

Password

Type

VIII - Selecting all records

Since we can add our users, let's try to display them all. Create a new page called **"users.php"** and save it in your **"pages"** folder and add the following codes:

```
<?php element( 'header' ); ?>
<h1>Users</h1>
<?php
    $users = $DB->query( "SELECT * FROM users" );
?>
<a href="<?php echo SITE_URL ?>/?page=add-new-user">Add New User</a>
<table class="table table-bordered">
    <tr>
        <th>ID</th>
        <th>Username</th>
        <th>Password</th>
        <th>Type</th>
        <th></th>
    </tr>
    <?php if( $users->num_rows ) { ?>
    <?php while( $user = $users->fetch_object() ) { ?>
    <tr>
        <td><?php echo $user->id ?></td>
        <td><?php echo $user->username ?></td>
        <td><?php echo $user->password ?></td>
        <td><?php echo $user->utype ?></td>
        <td>
            <a href="<?php echo SITE_URL ?>/?page=edit_user&id=<?php echo $user->id
?>">Edit</a>
            <a href="<?php echo SITE_URL ?>/?action=delete_user&id=<?php echo
$user->id ?>">Delete</a>
        </td>
    </tr>
    <?php } ?>
    <?php } else { ?>
    <tr>
        <td colspan="4">No current record.</td>
    </tr>
    <?php } ?>
</table>
<?php element( 'footer' ); ?>
```

Now, open your browser and enter this URL: **http://localhost/mysite/?page=users**. Click the "Add New User" link to add new user.

Let's update **"add-new-user.php"** and make it redirect to the **"users"** page after adding a new user. Add this line of code at the end:

```
header( "Location: " . SITE_URL . "/?page=users" );
```

IX - Editing records

Create a new file called **“edit_user.php”** and save it in the **“pages”** folder then add the following codes:

```
<?php element( 'header' ); ?>
<?php
    $id = $_GET[ 'id' ];
    $result = $DB->query( "SELECT * FROM users WHERE id = $id" );
    $user = $result->fetch_object();
?>
<form method="post">
    <input type="hidden" name="action" value="update_user">
    <input type="hidden" name="id" value="<?php echo $id ?>">
    <label>Username</label>
    <input type="text" name="username" value="<?php echo $user->username ?>"><br>
    <label>Password</label>
    <input type="text" name="password" value="<?php echo $user->password ?>"><br>
    <input type="submit" value="Update User">
</form>
<?php element( 'footer' ); ?>
```

Create a new file called **“update_user.php”** and save it in the **“actions”** folder.

```
<?php
    $id = $_POST[ 'id' ];
    $username = $_POST[ 'username' ];
    $password = $_POST[ 'password' ];
    $DB->query( "UPDATE users SET username = '$username', password = '$password' WHERE
id = $id" );
    header( "Location: " . SITE_URL . "/?page=users" );
```

Try and see if the editing works!

X - Delete records

Create a new file called **“delete_user.php”** and save it in the **“actions”** folder then add the following codes:

```
<?php
    $id = $_GET[ 'id' ];
    $DB->query( "DELETE FROM users WHERE id = $id" );
    header( "Location: " . SITE_URL . "/?page=users" );
```

If you open **“users.php”** in the **“pages”** folder, you’ll see this line of code:

```
<a href="<?php echo SITE_URL ?>/?action=delete_user&id=<?php echo $user->id ?>">Delete</a>
```

You’ll notice **/?action=delete_user**, this means that we will call the action **“delete_user.php”** in the **“actions”** folder. Also we add another variable **id** to send the user’s id.

Try clicking on the **“Delete”** link to test it out, you’ll see the record is deleted.