Create a database with a web page Store a value in the database table?
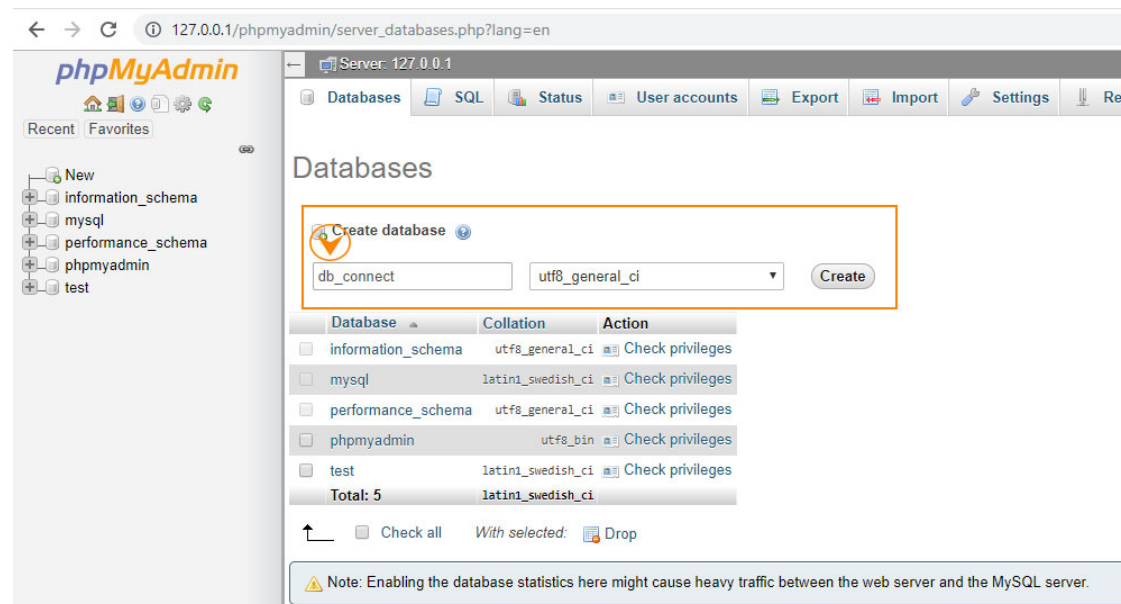
Step 1: Filter your HTML form requirements for your contact us web page

Suppose you selected the form field Name (text input), Email(email input), Phone (number input), and message (multi-line text). The form submit button also necessary for submitting the form. You will get the complete form in HTML coding in step 3.
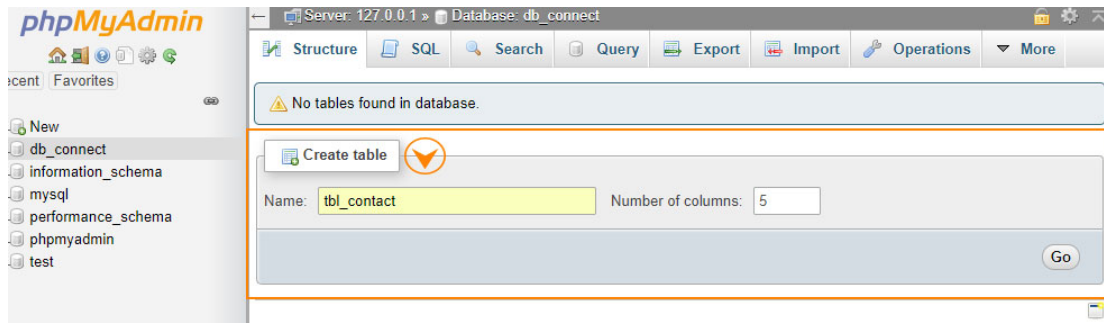
Step 2: Create a database and a table in MySQL

Open a web browser (chrome, firefox, edge, etc.,) and type this http://localhost/phpmyadmin/ or http://127.0.0.1/phpmyadmin/ for open GUI for managing DB on your computer. See the xampp screen below how it is coming.
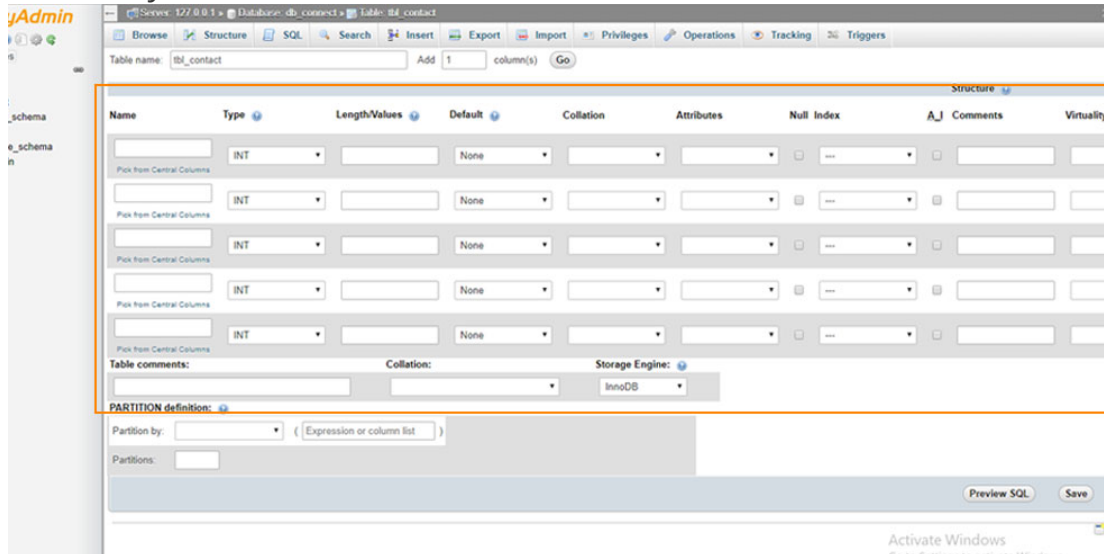
Click on the databases link and create your db by the name "db_contact". See the image below:
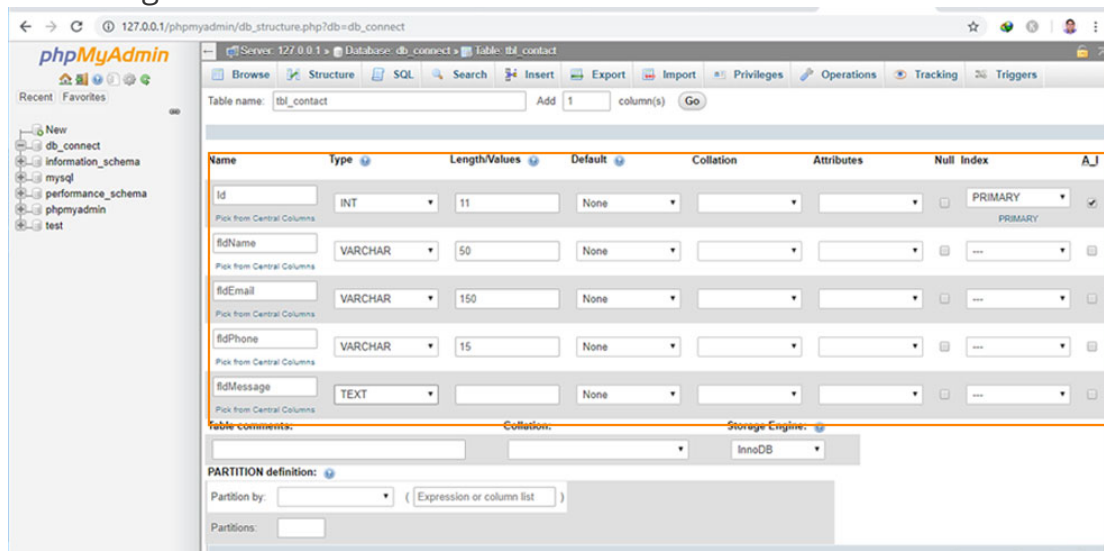

After creating your DB you need to create a table by any name I choose "tbl_contact" with the number of field 5. We choose 4 fields on top Name, Email, Phone, and Message. The first column we will keep for maintaining the serial number and in technical terms primary key(unique number of each recor). See the image below

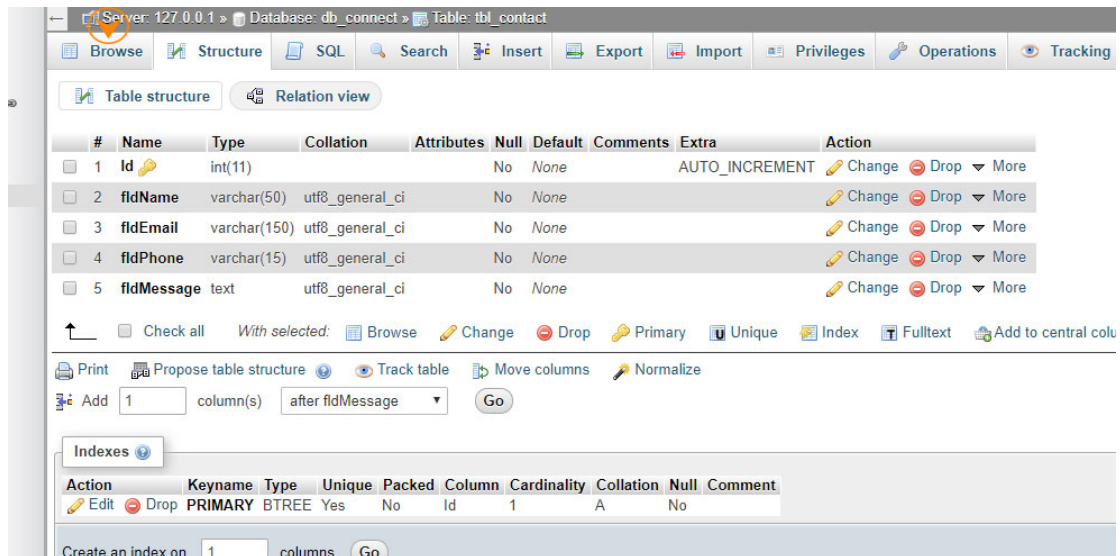When you will click to go button you will get this screen. Now we need to feed every field information.

See the below image in which I added field information. So for field Name used field Name – fldName, Email – fldEmail, Phone – fldPhone, Message – fldMessage.

Now click on the save button that is on the bottom right of your screen. After saving your table it is created in your database.

You can create your DB and table using the SQL below. You have to copy the following code and paste it into your MySQL GUI phpmyadmin database or any other GUI or command prompt. At the bottom of the blog, you will get a **git download link** to download the SQL file.

```
--
-- Database: `mydb`
--


CREATE DATABASE IF NOT EXISTS `db_contact` DEFAULT CHARACTER SET lati
n1 COLLATE latin1_swedish_ci;

USE `db_contact`;


-- --------------------------------------------------------


--
-- Table structure for table `tbl_contact`
--


DROP TABLE IF EXISTS `tbl_contact`;

CREATE TABLE IF NOT EXISTS `tbl_contact` (

`id` int(11) NOT NULL,
```

```
`fldName` int(50) NOT NULL,

`fldEmail` int(150) NOT NULL,

`fldPhone` varchar(15) NOT NULL,

`fldMessage` text NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--

-- Indexes for dumped tables

--


--

-- Indexes for table `tbl_contact`

--

ALTER TABLE `tbl_contact`

ADD PRIMARY KEY (`id`);


--

-- AUTO_INCREMENT for dumped tables

--


--

-- AUTO_INCREMENT for table `tbl_contact`

--

ALTER TABLE `tbl_contact`

MODIFY `id` int(11) NOT NULL AUTO_INCREMENT;
```

Step 3: Create HTML form for connecting to database

Now you have to create an HTML form. For this, you need to create a working folder first and then create a web page with the name "contact.html". If you install xampp your working folder is in folder this

"E:\xampp\htdocs". You can create a new folder "contact" on your localhost working folder. Create a "contact.html" file and paste the following code.

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Contact Form - PHP/MySQL Demo Code</title>

</head>


<body>

<fieldset>

<legend>Contact Form</legend>

<form name="frmContact" method="post" action="contact.php">

<p>

<label for="Name">Name </label>

<input type="text" name="txtName" id="txtName">

</p>

<p>

<label for="email">Email</label>

<input type="text" name="txtEmail" id="txtEmail">

</p>

<p>

<label for="phone">Phone</label>

<input type="text" name="txtPhone" id="txtPhone">

</p>

<p>

<label for="message">Message</label>

<textarea name="txtMessage" id="txtMessage"></textarea>

</p>

<p> </p>
```

```
<p>

<input type="submit" name="Submit" id="Submit" value="Submit">

</p>

</form>

</fieldset>

</body>

</html>
```

Now your form is ready. You may test it in your localhost link
http://localhost/contact/contact.html
In the next step, I will go with creating PHP / MySQL code.

Step 4: Create a PHP page to save data from HTML form to your MySQL database

The contact HTML form action is on "contact.php" page. On this page, we will write code for inserting records into the database.

For storing data in MySQL as records, you have to first connect with the DB. Connecting the code is very simple. The mysql_connect in PHP is deprecated for the latest version therefore I used it here `mysqli_connect.`

```
$con = mysqli_connect("localhost","your_localhost_database_user","your_localhost_database_password","your_localhost_database_db");
```

You need to place value for your localhost username and password. Normally localhost MySQL database username is root and password blank or root. For example, the code is as below

```
$con = mysqli_connect('localhost', 'root', '','db_contact');
```

The "db_contact" is our database name that we created before.

After connection database you need to take post variable from the form. See the below code

```
$txtName = $_POST['txtName'];

$txtEmail = $_POST['txtEmail'];

$txtPhone = $_POST['txtPhone'];

$txtMessage = $_POST['txtMessage'];
```

When you will get the post variable then you need to write the following SQL command.

```
$sql = "INSERT INTO `tbl_contact` (`Id`, `fldName`, `fldEmail`, `fldP
hone`, `fldMessage`) VALUES ('0', '$txtName', '$txtEmail', '$txtPhone
', '$txtMessage');"
```

For fire query over the database, you need to write the following line

```
$rs = mysqli_query($con, $sql);
```

Here is PHP code for inserting data into your database from a form.

```
<?php

// database connection code

// $con = mysqli_connect('localhost', 'database_user', 'database_pass
word','database');


$con = mysqli_connect('localhost', 'root', '','db_contact');


// get the post records

$txtName = $_POST['txtName'];

$txtEmail = $_POST['txtEmail'];

$txtPhone = $_POST['txtPhone'];

$txtMessage = $_POST['txtMessage'];


// database insert SQL code

$sql = "INSERT INTO `tbl_contact` (`Id`, `fldName`, `fldEmail`, `fldP
hone`, `fldMessage`) VALUES ('0', '$txtName', '$txtEmail', '$txtPhone
', '$txtMessage')";


// insert in database

$rs = mysqli_query($con, $sql);


if($rs)

{

        echo "Contact Records Inserted";

}


?>
```