**Insert Data Into MySQL In PHP**

Here i will insert data in MySQL database using MySQL INSERT statement.

***MySQL Insert Syntax:***

* INSERT INTO `table\_name`**(**column\_1,column\_2,...**)** **VALUES** **(**value\_1,value\_2,...**)**;

Now, Create a new file named **insert.php** in **project** folder and copy – paste below code inside it.

**insert.php**

* <?php
* include 'config.php'; //Database configuration file
* **mysqli\_select\_db(**$conn, $db\_name**)**;
* $sql = "INSERT INTO users (id, firstname, lastname, email) VALUES (NULL,'Om','Dayal','Om@xmail.com')";
* $query = **mysqli\_query(**$conn, $sql**)**;
* **if** **(**!$query**)** **{**
* echo "User does not inserted. Error : " . **mysqli\_error(**$conn**)**;
* **}** else **{**
* echo "User inserted successfully.";
* **}**
* ?>

Now open your browser and locate this link http://localhost/project/insert.php. If you found message like **User inserted successfully.** then data successfully inserted in database.

**Description:**  
In the above example,

* First we connect MySQL with PHP using **config.php** file.
* If you are working with many database then you can use [mysqli\_select\_db()](https://www.codeandtuts.com/select-insert-update-delete-in-php-mysql/) function for select database for particular operation.
* Then we use **“INSERT INTO”** syntax query of MySQL language for insert data into database. After that we use [mysqli\_query()](https://php.net/manual/en/mysqli.query.php) function for run MySQL syntax query.
* Finally use **if…else…** condition to check data is inserted or not.

**Select Data From MySQL In PHP**

Let’s get back recently inserted data. To select data from database using MySQL and PHP, we will use MySQL select statement.

***MySQL SELECT Syntax:***

* SELECT field1, field2,... FROM table\_name

Let’s create one new file called **select.php**. Copy the below code and paste it inside **select.php** file.

**select.php**

* <?php
* include 'config.php';
* **mysqli\_select\_db(**$conn,$db\_name**)**;
* $sql = "SELECT \* FROM users";
* $query = **mysqli\_query(**$conn,$sql**)**;
* **if(**!$query**)**
* **{**
* echo "Query does not work.".**mysqli\_error(**$conn**)**;die;
* **}**
* **while(**$data = **mysqli\_fetch\_array(**$query**))**
* **{**
* echo "Id = ".$data**[**'id'**]**."<br>";
* echo "Firstname = ".$data**[**'firstname'**]**."<br>";
* echo "Lastname = ".$data**[**'lastname'**]**."<br>";
* echo "Email = ".$data**[**'email'**]**."<br><hr>";
* **}**
* ?>

**Result:**

Id = 1  
Firstname = Om  
Lastname = Dayal  
Email = Om@xmail.com

Now open browser and navigate path name http://localhost/project/select.php. You will find out users name and detail.

**Update Data In MySQL Using PHP**

Let’s change or update database record info by using MySQL **“UPDATE “** query. You can check more about [MySQL UPDATE query here](https://dev.mysql.com/doc/refman/8.0/en/update.html" \t "_blank).  Here we use table ID field as reference field to update the record. See the below example. First of all lets check MySQL Update syntax.

***MySQL UPDATE Syntax***

* UPDATE table\_name SET field = new-value WHERE field = condition;

Create **update.php** and copy the below code and paste it inside **update.php** file.

Remember that you can not update single record without any reference field otherwise whole table data will updated.

**update.php**

* <?php
* include 'config.php';
* **mysqli\_select\_db(**$conn, $db\_name**)**;
* $sql = "UPDATE users SET firstname = 'OM\_new',lastname = 'Dayal\_new',email = 'om@new.com' WHERE id=1 ";
* $query = **mysqli\_query(**$conn,$sql**)**;
* **if(**!$query**)**
* **{**
* echo "Query does not work.".**mysqli\_error(**$conn**)**;die;
* **}**
* else
* **{**
* echo "Data successfully updated";
* **}**
* ?>

Now open your browser and locate path http://localhost/product/update.php. If you find message like this **Data successfully updated**, then your record is update successfully otherwise you have error in MySQL syntax or something else.

**Delete Data In MySQL Using PHP**

To delete data from database, you can use **[DELETE](https://dev.mysql.com/doc/refman/5.5/en/delete.html" \t "_blank)**[MySQL syntax](https://dev.mysql.com/doc/refman/5.5/en/delete.html" \t "_blank). Here also you want any reference field to delete data. See the below example for more description.

***MySQL DELETE Syntax***

* DELETE FROM table\_name **[**WHERE Clause**]**

Create a **delete.php** file, copy the below code and paste it inside **delete.php** file.

**delete.php**

* <?php
* include 'config.php';
* **mysqli\_select\_db(**$conn,$db\_name**)**;
* $sql = "DELETE FROM users WHERE id = 1";
* $query = **mysqli\_query(**$conn,$sql**)**;
* **if(**!$query**)**
* **{**
* echo "Query does not work.".**mysqli\_error(**$conn**)**;die;
* **}**
* else
* **{**
* echo "Data successfully delete.";
* **}**
* ?>

Now open your browser and locate the path http://localhost/project/delete.php. If you find message like this **Data successfully delete.** Then you have done it. Your data is deleted from database. Check **Users** table in PhpMyAdmin.

I hope that you like this **Select Insert Update Delete database operations in MySQL using PHP** code tutorial. Please share it with your friends and circle. If you have any questions while performing this tutorials then please let me know in comment. I will surely help you. Thank you very much