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Easily Import CSV File Data Into Mysql Using PHP

April 13, 2013 MySQL, PHP, Tutorial Satyendra Yadav

Many times you will need to import data from a CSV (comma separated value) file and insert it into your MySQL database. Consider a case when you have many records in a CSV file and you need to import them into your MySQL database then you can not insert each single record manually as it will take too much time. This condition arises mostly when you want to import existing data in your website. In this tutorial I will explain how easily you can do that. I am posting script which will do the work easily for you. The main focus of this post is the logic which makes your whole code a lot easier and simpler.

	A	B	C
1	ID	Name	email
2	1	user	user@abc.com
3	2	user2	user2@xyz.com
4	3	user3	user3@infotuts.com
5			
6			

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Lets understand this from the start:

I have created one csv file Íinfotuts.csvÎ for test purpose. I will be inserting data from infotuts.csv file to our MySQL database. I have created one test table with name Ícsvdata Î with 3 columns (similar to columns in CSV file).

SQL query to create csvdata table:

```
1 CREATE TABLE IF NOT EXISTS `csvdata` (
```

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```
`ID` int(10) NOT NULL AUTO_INCREMENT,
`name` varchar(50) NOT NULL,
`email` varchar(50) NOT NULL,
PRIMARY KEY (`ID`)
)
```

Code For csv-import.php:

```
<?php

$connect = mysql_connect('localhost','root','12345');
if (!$connect) {
die('Could not connect to MySQL: ' . mysql_error());
}

$cid =mysql_select_db('test',$connect);
// supply your database name

define('CSV_PATH','C:/wamp/www/csvfile/');
// path where your CSV file is located

$csv_file = CSV_PATH . "infotuts.csv"; // Name of your CSV file
$csvfile = fopen($csv_file, 'r');
$theData = fgets($csvfile);
$i = 0;
while (!feof($csvfile)) {
$csv_data[] = fgets($csvfile, 1024);
$csv_array = explode(",", $csv_data[$i]);
$insert_csv = array();
$insert_csv['ID'] = $csv_array[0];
$insert_csv['name'] = $csv_array[1];
$insert_csv['email'] = $csv_array[2];
$query = "INSERT INTO csvdata(ID,name,email)
VALUES('','".$insert_csv['name']."','".$insert_csv['email']."')";
$n=mysql_query($query, $connect );
$i++;
}
fclose($csvfile);

echo "<span id="IL_AD3" class="IL_AD">File data</span> successfully
imported to database!!";
mysql_close($connect);
?>
```

Further you can use this script and make it more flexible by allowing user to upload the CSV file and import data from that CSV file on the fly. There are many tweaks that you can do with this script and use it the way you want. In my future post I will publish code on how to make this script user oriented.

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Easily Export Data From MySQL to CSV File - InfoTuts says:
May 17, 2013 at 2:27 am
[...] have already written about Íimporting a CSV file to MySQLÍ, I thought about writing a script to export data from MySQL to CSV file. Its really [...]

Reply

liza says:
July 2, 2013 at 7:03 am

nice code. If I want to browse the csv file in my pc , what will be the code then?

Reply

Sanjeev says:
July 2, 2013 at 10:02 am

Hi Liza,

You can put this code in a function which will accept one parameter (url/path of uploaded csv file). create a code so that user can upload the csv file and as soon as the file is uploaded, call the function and pass the path of file as the parameter.

If I get tym, I will post this tutorial also.

Thanks:
Sanjeev

Reply

liza says:
July 2, 2013 at 10:44 am

thx

Reply

skyline says:
July 6, 2013 at 2:52 am

Works Perfect!!!! Thank you

Reply

Samdong says:
July 19, 2013 at 8:26 am

how to run csv-import.php file in command line.

Reply

Ian Snook says:
July 19, 2013 at 9:33 am

Great Script, However how do i get it to replace the data in the table, for example im using it for a user in an admin section of a site to upload information on an exhibition where the table holds size, price etc etc of exhibition stands. So the user could upload the file that holds updates therefore needing to to replace the current ones and add any extras, Hope i explained that well enough.

Thanks in advance for any help.

Ian

Reply

sanjeev says:
July 21, 2013 at 8:05 am

Hi Ian Snook,

That's a good query, In your case you will have to fire a 'truncate table table_name' query before 'insert into' statement. Truncate table query will make the table empty and then you can populate it with new data from your excel sheet.

Thanks:
Sanjeev

Reply

john says:
July 23, 2013 at 10:34 am

hi bro , i have 1 column in csv file with comma seprated values but when i read thes vlaues using ur code then i not be able to fetch 1 column complate values(comma seprate values)

column name: Contact Detail
Value in csv: patric ha, owner

Reply

moses says:
July 29, 2013 at 5:47 pm

I can upload the file but i get undefined offset 1 at line 23 and undefined offset 2 at line 24.

Reply

James says:
August 2, 2013 at 10:19 am

Thanks man. This has been helpful

Reply

Karthi says:
August 28, 2013 at 5:46 am

Am getting an error on line 3

Parse error: syntax error, unexpected Á', expecting T_VARIABLE or '$' in D:\xampp\htdocs\csv-import.php on line 3

Reply

Mayur says:
September 2, 2013 at 7:20 pm

i want help from you for importing csv file in user friendly manner it should have browse option and submit button pls help….

Reply

Onkendi says:
September 3, 2013 at 1:14 pm

how can i use this script to link up with the contact api in civiCRM plugin to import csv contacts data into a mysql database?

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About Satyendra Yadav

I am a FHP and WordPress developer. I love to code and build something useful.

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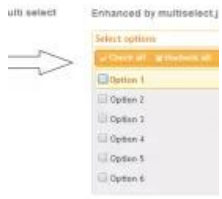

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