Importing Excel data files into a MySQL database

# How to manually import excel data files into a MySQL database

1. Open Excel file
2. Select the worksheet you want to import (you can only import one worksheet at a time)
3. Save the worksheet as a comma separated values (.csv) file
4. Repeat this for each worksheet you want to import into the database
5. Open up phpMyAdmin at localhost/phpMyAdmin
6. Create a new database
7. Create tables for your database. Name the table after the worksheet.
8. Enter the number of fields for your table which will be the same number of columns you have in your Excel worksheet. If you need more fields later, you can add them so no worries if you don’t get it exactly right. You can also delete fields if you put too many.
9. Now you will enter the field names for the table. Again, these are the columns in your Excel worksheet. You also need to enter the data type required for the type of data. We will go over an example after this overview. Then save.
10. Select the table you just created and click the **Import** tab
11. Choose the Browse button and select the .csv file that corresponds to the table you just created.
12. Select **CSV** in the **Format of imported** **file.**
13. Select **comma (,)** for the **Fields terminated** **by** option.
14. Now click Go
15. To make sure the data was imported properly you need to click the Browse tab. You should see all the records or rows of data that were in your worksheet.
16. If you have more worksheets to import you just repeat steps 7 through 15.

# How to import Excel spreadsheets using the Import MySQL Data option

1. Open the Excel file you want to import.
2. Select the Data tab.
3. Select the “MySQL for Excel” Database icon.
4. Open a MySQL connection by double clicking.
5. Enter password for connection with the MySQL server.
6. Double click the database and the table you want to import.
7. Select “Import MySQL Data
8. By default, all columns are selected and will be imported, but you can specify which columns you would like imported.
9. Click import
10. Now all data is imported and you should check your MySQL database to make sure that it imported the way you expected.

# Programmatically import an Excel spreadsheet into a MySQL database

Resources:

* <https://dev.mysql.com/doc/mysql-for-excel/en/mysql-for-excel-export.html>
* <http://talkerscode.com/webtricks/export-mysql-data-to-excel-using-php-and-html.php>
* <https://chartio.com/resources/tutorials/excel-to-mysql/>
* <https://www.w3resource.com/mysql/exporting-and-importing-data-between-mysql-and-microsoft-excel.php>
* <https://blogs.oracle.com/mysql/how-to-guide-to-exporting-data-from-excel-to-a-new-mysql-table>
* <https://davalign.com/articles/import-excel-data-into-mysql-using-phpmyadmin/>
* <https://www.databasejournal.com/features/mysql/importing-xml-csv-text-and-ms-excel-files-into-mysql.html>