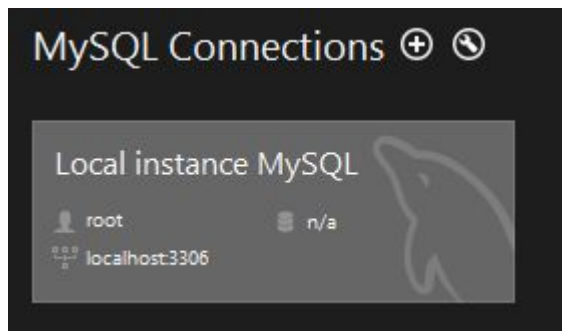# How to link PHP to MySQL database
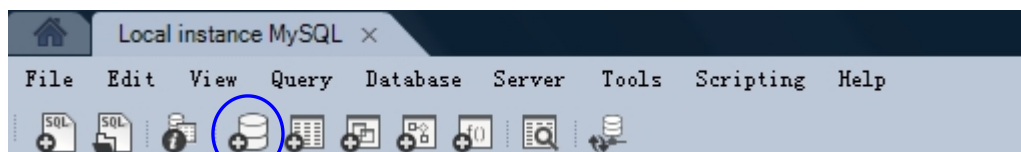
1. Download MySQL Installer (MySQL Workbench is included)
    Download website: http://dev.mysql.com/downloads/installer/

2. Follow the instructions to install MySQL Installer

3. Start Wamp/Xampp to be able to open PHP files in the browser

4. Start MySQL Workbench, on the welcome page, click "Local instance MySQL" to make a connection to MySQL.
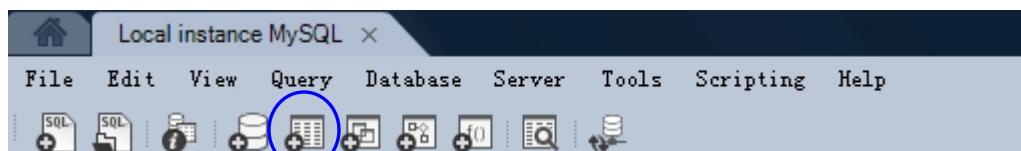


You can edit the connection to reset your password (if you have done so when installing the software).

    Remember the host name is "localhost", use name is "root", in all the PHP files related to database linking, the password is set to "admin".

5. After you have connected to the database, it will bring you to the working page.



Click the blue circle to create a new database;



Click the blue circle to create a new table, you can add columns, constraints on the same page.

6. The testing database is called music_db (included in the PHP file) and the table created in that database is called result. Attributes of the result table are id, country, city and count.

7. If you want to add values into the table, go to the SQL file and type in the corresponding SQL command.

```
use music_db; //select the database you want to query on
insert into result values (001, "New Zealand", "Auckland", 100);
```

8. After you have done all that, it is time to link Wamp/Xampp with the database. Look for the MySQL installer at the right corner of your menu bar, right click the icon and you can see Wamp/Xampp server.

9. Click configure instance, it will bring you again to the connection page on MySQL Workbench. Type in again the password "admin", and you should be able to link it with MySQL database.

10. Try it out on the web browser and see if it's working.