

Lab 5

The goals of the lab are to get some practice handling data in MySQL and PHP.

Background

To issue a database query using PHP, the PHP script must first connect to the server with a user name, password, and database name. The PHP script, `connect_db.php`, does all of these things for us.

After connecting to MySQL, when PHP issues a query, a PHP script accesses the results one row at a time, typically using a PHP while-loop.

With each row, the script accesses the columns by

- Column number using a zero-based index AND/OR...
- “Associatively” by column name

The preferred method is associatively.

Tasks

Part I

1. Download, install, and start EasyPHP.
2. Open the MySQL client and source the `presidents.sql` source file you created in last week’s lab.
3. ** Make sure `presidents.sql` creates and uses `site_db`.
Download the McGrath (2012) PHP source from iLearn (or the same zip file used in earlier labs, `phpmysql-sourcecode-update.zip` Unzip the second embedded zip file called `php-src.zip`
4. Download `insert_data.sql` from iLearn and source this file.
5. The file `connect_db.php` is in the unzipped file `php-src.zip`. Create a directory in EasyPHP localweb/ `includes` and copy the `connect_db.php` script there.
6. Edit `connect_db.php` script and replace the username and password with `root` and no password (for no password just use two single quotes with nothing between them).
7. From `php-src.zip` or iLearn, download `prints.php` and copy it to EasyPHP localweb.

8. Run `prints.php` by opening the page `http://127.0.0.1/prints.php` in a browser.

**** Do not proceed to Part II until this last step succeeds.**

Part II

1. Save `prints.php` as `presidents.php`.
2. Make the following changes in `presidents.php`.
 - a. Change the comments at the top to reflect your version of the PHP script.
 - b. Change the select statement to query the presidents table to get the...
 - i. Number
 - ii. First name
 - iii. Last name

**** SORTED BY NUMBER IN DESCENDING ORDER**

- c. Change the HTML header to say "Dead Presidents".
 - d. Change the table to have borders.

NOTE: To add a border to the table, you will need to use the **border** attribute and the PHP escape character.
 - e. With each row result print the respective president, get the columns associatively by name.
3. Print a hardcopy of the finished web page.
4. Print a hardcopy of `presidents.php` using a **constant width** font like Courier, large enough so the instructor can easily read it.