

## Web Programming at PATHS

### PHP and MySQL Warmup

Before doing this assignment, please complete the following tutorials:

1. Using PHPMyAdmin: <http://www.reg.ca/faq/PhpMyAdminTutorial.html>
2. Once you are able to log into your database using PHPMyAdmin, please click on the “SQL” tab. In this SQL window, you will be typing the SQL commands in the following MySQL tutorial:  
<http://dev.mysql.com/doc/refman/5.0/en/tutorial.html>. Start at section 3.2. You can skip section 3.3.1. End at section 3.6.
3. Then complete the PHP Basics tutorial:  
[http://www.gseis.ucla.edu/etu/training/materials/php\\_basics/](http://www.gseis.ucla.edu/etu/training/materials/php_basics/)
4. Finally, complete this tutorial on how to connect to a MySQL database from PHP: <http://www.php-mysql-tutorial.com/connect-to-mysql-using-php.php>
5. To glue it all together, take a look here: <http://www.swish-db.com/tutorials/view.php/tid/394>

**Assignment:** For this assignment, you are given a file named “busstops.db”. Please export that file in a format that you can use to import it into a table in your MySQL database, using your PHPMyAdmin login on our server.

**Instructions:** write a PHP file that contains a list of the bus stop intersections from the database, sorted by name. Each intersection should be on its own line. Clicking on a bus stop in the list will take you to a Google map of that location. Your Web page should be professional quality. Please use CSS to style it appropriately, and make sure it has a title.

**Hints:** Google maps is found online at <http://maps.google.com>. Try mapping an address (for example: 196 allen ave, portland, me). How can you find the URL for that map? What is the simplest URL you can use to get that map so that you could link to it? Test it in a browser.

All bus stops are located in Portland, ME.

Once you have connected to your database from PHP, you will need these PHP functions:

- ❑ `mysql_query`
- ❑ `mysql_fetch_assoc`