

## Web Application Development

### Practical 8: PHP and MySQL

This practical focuses on PHP and MySQL. We will follow the steps described in the w3schools tutorial on this subject:

[http://www.w3schools.com/php/php\\_mysql\\_intro.asp](http://www.w3schools.com/php/php_mysql_intro.asp)

The tutorial walks through key steps in manipulating a database using PHP, including:

- connecting to a MySQL server,
- creating a new database,
- creating a table,
- inserting data
- selecting data and displaying in on a webpage.

Go through the tutorial/pages step by step. Copy and paste the relevant code to create your own PHP files. The tutorial covers both MySQLi (procedural and object oriented) and PDO. You can choose one of the methods to use, there is no need to do both (unless you really want to).

As a small addition to the tutorial, and once you have completed the w3school steps, try the following:

- Revisit the PHP file used to select data from the database.
- As presented on w3schools the data is displayed in the web page as plain html text, using line breaks to separate the rows in the table.
- Modify the code to present the data in a table instead. One row for each row in the data base and columns corresponding to the columns in the database.

Doing this final step is very good preparation for assignment 3.

#### **Note.**

You will need to run your new PHP files on your localhost.