# The City Lit Institute

##### Department of Computing

## Keeley Street, Holborn, London WC2B 4BA

**MySQL**

**(with Apache server)**

WORKING WITH PHP

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**Working with PHP**

PHP provides the **application part**, and MySQL provides the **database part** of a web database application. You use the PHP language to write the **programs** that perform the **application tasks.**

PHP can be used to perform simple tasks, such as **displaying** a webpage, or for complicated tasks, such as **accepting** and **verifying** data that a user typed into the html form. One of the tasks that the application must do is to move data **into** and **out** of the MySQL database.

PHP statements are **embedded** in your html files with PHP **tags**.

**Performing a PHP task**

When the tasks to be performed by the application requires **storing** or **retrieving** data, you use **specific PHP statements to connect to the right database, telling PHP where the database is located, it’s name, and the password needed to connect to it**. The database **does not** have to be on the **same machine as your website**.

When PHP has sent instructions or query to MySQL across the network, MySQL will **return** a **status message** that shows weather the operation has been **successful** or **not**.

You then use **one or more PHP statements to complete the application task**. For instance you may use PHP statements **to display data you retrieved**. Or you may use PHP statements to display **status** message in the browser **informing** the user, that the data has been **saved**.

<!-- Program Name: sample.php: Description: PHP program that sends an SQL query to the MySQL server and displays the results.

Author ; Alexander Adu-Sarkodie-->

<html>

<head>

<title>SQL Query Sender</title>

<style>

.red {color:#ff0000;}

.gold {color:#ff9933; }

.torquoise {color:#ff00ff; }

</style>

</head>

<body>

<?php

echo "<p><span class=gold><div align=center><strong>Hello Pet World</strong></div></span></p>";

$user="root";

$host="localhost";

$password="c00k1e1";

$database = 'mysqlphp';

$query = $\_GET['query'];

$query = stripSlashes($query) ;

echo "<h3>$query</h3>";

if (!mysql\_connect($host,$user,$password)) {echo "<p>Unable to connect to database</p>";}

if (!mysql\_select\_db($database)) {echo "<p><strong>Unable to select database</span></strong>";}

$r = mysql\_query($query);

if (!$r) {echo "<p align=center><strong>Unable to query to database</strong></p>";}

else {

while ($row = mysql\_fetch\_array($r)) {

echo "<p align=center>";

echo $row['Pet\_ID']." || ";

echo $row['Description']." || ";

echo $row['Price']." || ";

echo '<img src="/lectures/images/'.$row["pix"].'.jpg">';

echo "</p>";

}

}

?>

<form action=<?=$\_SERVER['PHP\_SELF']?> method="get">

<table align="center"><tr><td align="right" valign="top"><b><span class=torquoise>Type in SQL query</span></b></td><td><textarea name="**query**" cols="60" rows="10" value=''><?php echo $query ?></textarea></td></tr><tr><td colspan="2" align="center"><input type="submit" value="Submit Query"></td></tr></table>

</form>

</body>

</html>