

ModuleWebsite
Development**Module Code**

IT3040FP

Duration

3 hours

Project Part 2

Title:

Setup and configure a development environment for PHP and MySQL

Objective(s):

At the end of the lesson, students will be able to set up and configure a development environment for PHP and MySQL to support the development and testing of a database-driven web application.

Tools, Equipment and Materials:

- 1 Development computer
- 2 Code Editor

Instructions:

1. With reference to <https://peterleowblog.com/hands-on-with-php-development-environment/> and <https://www.apachefriends.org/index.html>, set up and configure a simple website using XAMPP.
2. With the XAMPP successfully setup and configured, create and execute a PHP script with the code overleaf to ascertain the connection between the PHP and the MySQL server.
3. If the browser displays error message, check the following:
 - 3.1. Is the MySQL server running? Unless you have configured the server to run automatically, it needs to be started manually before you can process PHP pages.
 - 3.2. Is security software blocking access to ports 3306?
 - 3.3. Do you need a password to access the MySQL server?
- 1.

Project Part 2

Module: Website Development**Module Code: IT3040FP**

```
<?php
$host = "localhost";
$user = "root";
$password = "root";

$cxn = mysqli_connect($host,$user,$password);
$sql="SHOW DATABASES";
$result = mysqli_query($cxn,$sql);
if($result == false)
{
    echo "<h4>Error: ".mysqli_error($cxn)."</h4>";
}
else
{
    if(mysqli_num_rows($result) < 1)
    {
        echo "<p>No current databases</p>";
    }
    else
    {
        echo "<ol>";
        while($row = mysqli_fetch_row($result))
        {
            echo "<li>$row[0]</li>";
        }
        echo "</ol>";
    }
}
?>
```

Project Part 2

Module: Website Development

Module Code: IT3040FP

Review

1. What is the default port for MySQL server?
2. What are the components included in XAMPP?
3. Describe the role of an Apache server?
4. What is the default port for an Apache server?
5. Describe the role of a MySQL server?

- END -