Lab 5 – MySQL Databases with PHP

Create a new folder '**lab05**' under the unit folder on the cmslamp14 server
Save today's work in this lab05 folder.

Task 1: Retrieve and display records from the table (5 marks)

Step 1:
Create a file **settings.php** that contains variable declaration and initialisation of the database host, user name and password. It should not contain any HTML tags.

```php
<?php
   $host = "cmslamp14.aut.ac.nz";
   $user = _____(1)_____; // your user name
   $pswd = _____(2)_____; // your password
   $dbnm = _____(3)_____; // your database
?>
```

Step 2:
Create a file **cars_display.php** that selects only car_id, make, model and price from the database table cars created in Lab 4 and displays them neatly in a html table.

```php
<html>
<head>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <title>Using file functions</title>
</head>
<body>
<h1>Web Development - Lab05</h1>
<?php
  require_once ("settings.php");

  // complete your answer here

?>
</body>
</html>
```

Test in the browser.

Task 2: VIP member Registration System (5 marks)
Note: you need to complete step 1~3 in order to get the full marks.

The overall task is to create a Web application that manages a VIP Member's details using a MySQL database table created and accessed through PHP scripts.

The following fields are to be created for the 'vipmembers' table:
- member_id   INT AUTO_INCREMENT PRIMARY KEY
- fname   VARCHAR(40)
- lname   VARCHAR(40)
- gender   VARCHAR(1)
- email   VARCHAR(40)
- phone   VARCHAR(20)

Step 1: Creating the VIP Member Home Page `vip_member.php`

Create a simple "Home Page" document **`vip_member.php`** that contains links to:
- "Add New Member Form", **`member_add_form.php,`**
- "Display All Members Page" **`member_display.php,`** and
- "Search Member Page" **`member_search.php`**.

Step 2: Creating the add member form `member_add_form.php`

Create a document **`member_add_form.php`** that contains a form with method **`post`** and action to **`member_add.php`** The form will need inputs for all the data for a new member, except `member_id`, the "Membership Number".

Hint: You could adapt any of the previous forms you have created in labs for this purpose.

Step 3: Create the database table, insert records `member_add.php`

Create the document **`member_add.php`** to create a connection to the mysql server and your database, create the `'vipmembers'` table if it does not exist, and insert the details from "Add New Member Form" into the table.

Hint: You will need to execute two queries in this script: the first to create the table if does not exists and the second to insert the data.

Step 4: Retrieve and display records from the database table `member_display.php`

Create a document "Display all Members Page" **`member_display.php`** that selects only `member_id, fname, lname` from the database table and displays them neatly in a html table.

Step 5: Create a Search Page `member_search.php`

Create a document "Search Member Page" **`member_search.php`** with a form to enable a search for a member(s) based on the last name in the database table, and then display the `member_id, fname, lname, email` details of all members that matched the last name in a html table.

Hint: This page will have a form with an action that calls itself.