PHP and MySQLi 1
Exercises

Exercise One

Create a database called something like assign01 using PHPMyAdmin.

Type the SQL commands below into a text file and save it with the following file name.

CreateCDTable.sql

```
CREATE TABLE cdtable
(
cdnum   VARCHAR(4),
cdname  VARCHAR(30),
artist  VARCHAR(30),
PRIMARY KEY (cdnum)
);

INSERT INTO cdtable  VALUES ('0001', 'The Wall', 'Pink Floyd');

INSERT INTO cdtable  VALUES ('0002', 'Tago Mago', 'Can');

INSERT INTO cdtable  VALUES ('0003', 'Till Deaf Us Do Part', 'Slade');

INSERT INTO cdtable  VALUES ('0004', 'In Absentia', 'Porcupine Tree');

INSERT INTO cdtable  VALUES ('0005', 'Space Ritual', 'Hawkwind');
```

Copy the CREATE command into the SQL screen of the phpMyAdmin GUI and execute it.

You should see the table being created on the left hand side of the screen.

Execute each INSERT command in the same way.

Use the Browse tab to check that the data has been entered into the database table.

Exercise Two

Set up the following files as explained in the lecture notes. See if they work.

addcd.html
A form which will be used to collect data from the user, for input into the database.

addcdtodb.php
A php file which will take data from the form and insert it into a query so that it can be input into the database. DON'T FORGET TO INSERT YOUR OWN CONNECTION DETAILS AT THE TOP.

jobdone.html
A page indicating that the data has been added.

addcd.html

```html
<html>
  <head></head>
  <body>
  <!-- form with three fields and a submit button -->
    <form name="inputcd" action="addcdtodb.php" method="get">
      CD Number: <input type="text" name="disknum"></input>
      <br />
      CD Name: <input type="text" name="diskname"></input>
      <br />
      CD Artist: <input type="text" name="diskartist"></input>
      <br />
      <input type="submit" value="Add CD"></input>
    </form>
  </body>
</html>
```

addcdtodb.php

```php
<?php
$host = "localhost";
$user = "root";
$password = "yourpass";
$database = "assign01";

// Copy the variables that the form placed in the URL
// into these three variables

$dno = $_GET['disknum'];
$dnam = $_GET['diskname'];
$dart = $_GET['diskartist'];

//connect to MySQL

$connect = new mysqli($host, $user, $password, $database );

if ($connect->connect_errno)
{
    echo "Failed to connect to MySQL: " . $connect->connect_error;
}


// set up the query using the values that were passed via the URL from the form

$query = "INSERT INTO cdtable VALUES ('".$dno."','".$dnam."','".$dart."')";

// execute the query

$results = $connect->query($query);

// jump to the next page

header( 'Location:jobdone.html');
?>
```

jobdone.html

```html
<html>
  <head></head>
  <body>
    Your CD has been added to the database
    <br /><br />
    Click <a href="addcd.html">here</a> if you want to add another cd
  </body>
</html>
```

Exercise Three

Write an SQL script which will create a table to hold a list of James Bond films.

It should include the fields:

- Film Number
- Title
- Year
- BondActor
- FemaleLead
- Villain

Copy it into phpMyAdmin and execute it.

Make copies of the files above and modify them so that they will enable you to add records to this table.