# PHP and MySQL 3 Exercises

This exercise is going to make use of the cd table that we set up last week.  Here is the SQL if you need to recreate it.

**CreateCDTable.sql**          **no change**

```
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');
```

This exercise assumes that you already have the following files:

**addcd.html**
**addcdtodb.php**
**jobdone.html**
**products.php**

**Modify them so that they appear as follows:**

**dbconn.php**                     **(new file)**

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

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

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

**addcdtodb.php**

```php
<?php
require "dbconn.php";

// Copy the variables from the URL into these 3 variables

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

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

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

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

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
    Click <a href="products.php">here</a> if you want to see the list
  </body>
</html>
```

**addcd.html**                    **no change**

```html
<html>
  <head></head>
  <body>
    <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>
```

**products.php**

```php
<?php

require "dbconn.php";

$query = "SELECT cdnum, cdname, artist
          FROM cdtable";

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

$numrow = $results->num_rows;
?>

<html>
<head></head>
<body>
<table border="1">

<?php
$count = 0;
while ($count < $numrow)
{
  $row = $results->fetch_assoc();
  extract($row);

  echo "<tr>";

  echo "<td>";
  echo "<a href='updatecdform.php?diskno=".$cdnum."'>".$cdnum."</a>";
  echo "</td>";

  echo "<td>";
  echo $cdname;
  echo "</td>";

  echo "<td>";
  echo $artist;
  echo "</td>";

  echo "<td>";
  echo "<a href='deletecd.php?diskno=".$cdnum."'>Delete</a>";
  echo "</td>";

  echo "</tr>";

  $count = $count + 1;
}
?>

</table>
<br />
The number of records found was: <?php echo $numrow; ?>
<br /><br />
Click <a href="addcd.html">here</a> if you want to add another cd
</body>
</html>
```

**deletecd.php**  (new file)

```php
<?php
require "dbconn.php";

$dno = $_GET['diskno'];

$query = "DELETE FROM cdtable WHERE cdnum =".$dno;

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

header("Location: products.php");
?>
```

**updatecdform.php**  (new file)

```php
<?php

require "dbconn.php";

$dno = $_GET['diskno'];

$query = "SELECT * FROM cdtable WHERE cdnum =".$dno;

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

// Check number of rows returned

if ( $results->num_rows != 1 )
  die("Database did not return one result");
else
  {
  $row = $results->fetch_assoc();
  }
?>

<html>
  <head></head>
  <body>
    <h1>Edit Person Details</h1>
    <form name="editcd" action="updatecd.php" method="get">
      CD Number: <input type="text" name="disknum" readonly="true"
value="<?php echo $row['cdnum']; ?>"></input>
      <br />
      CD Name: <input type="text" name="diskname" value="<?php echo
$row['cdname']; ?>"></input>
      <br />
      CD Artist: <input type="text" name="diskartist" value="<?php echo
$row['artist']; ?>"></input>
      <br />
      <input type="submit" name="Save" value="Save"></input>
    </form>
  </body>
</html>
```

**updatecd.php** <mark>(new file)</mark>

```php
<?php

require "dbconn.php";

$dno = $_GET['disknum'];
$newdnam = $_GET['diskname'];
$newdart = $_GET['diskartist'];

// Delete the old copy of the record

$query1 = "DELETE FROM cdtable WHERE cdnum =".$dno;

$results1 = $connect->query($query1);

// Insert the new copy of the record

$query2 = "INSERT INTO cdtable
          VALUES ('".$dno."','".$newdnam."','".$newdart."')";

$results2 = $connect->query($query2);

header("Location: products.php");
?>
```

$dno = $_GET['disknum'];