

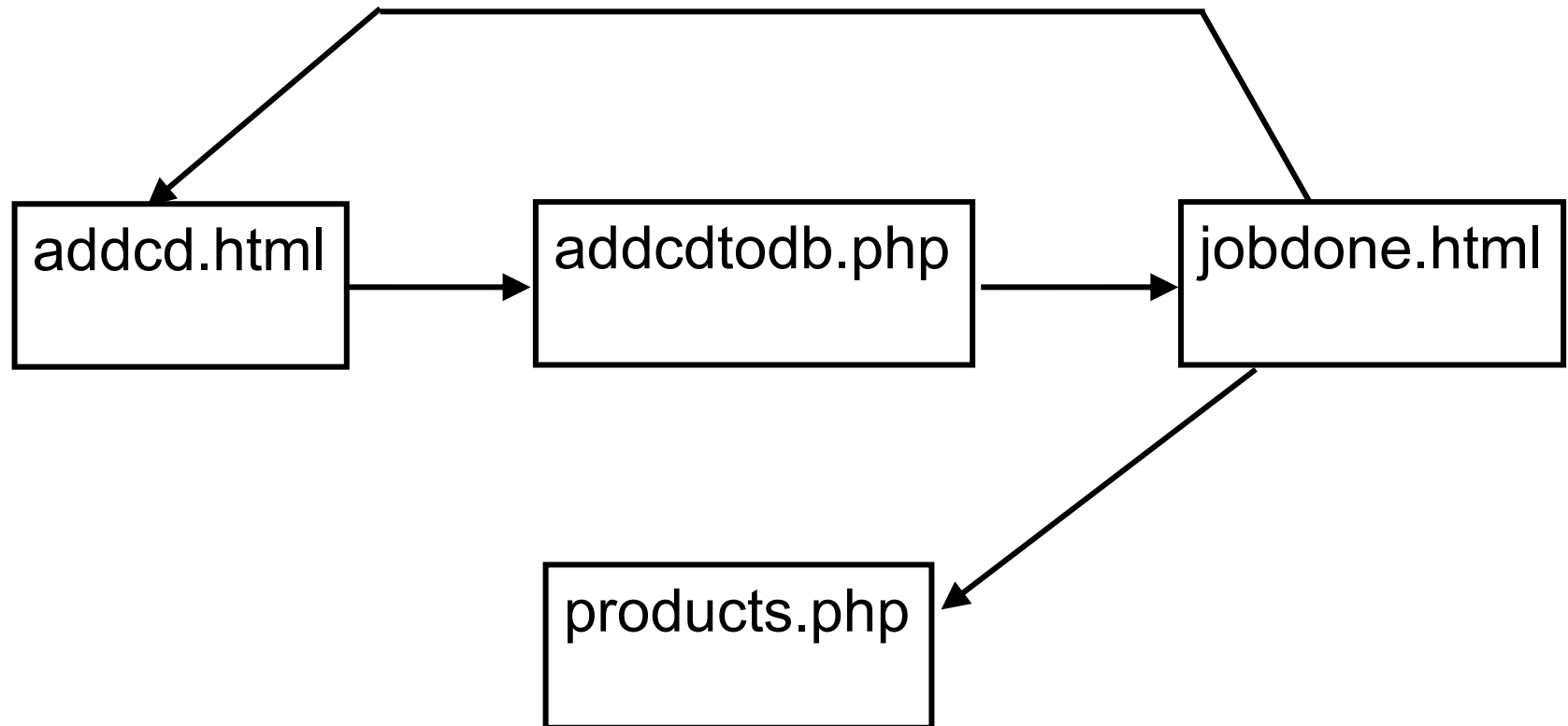
# Dynamic Web Development

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## Lecture 14 – PHP and MySQLi 3

# *Page Map*

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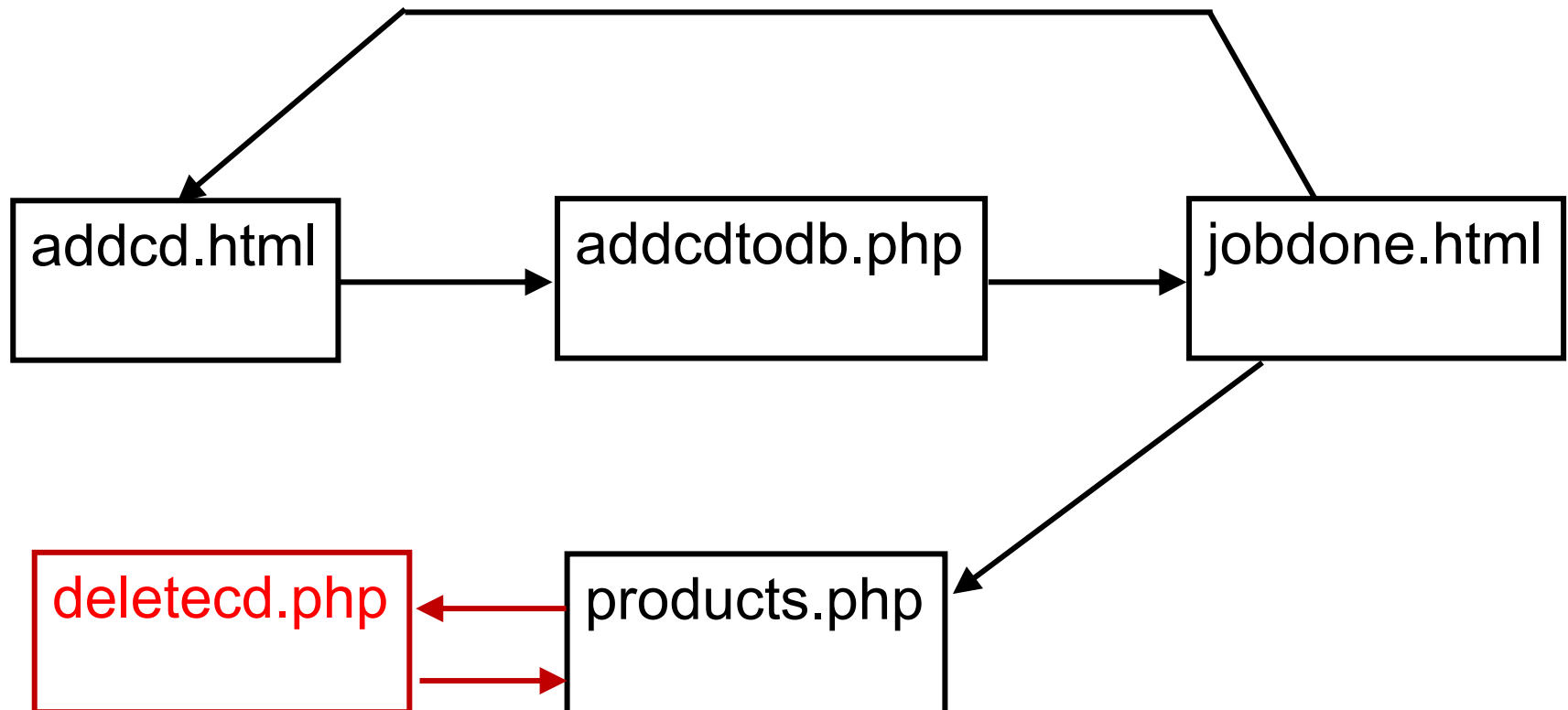


# Deleting Data From the Database

---

# *Page Map for deleting a cd*

---



# *dbconn.php*

---

Put the standard database connection code into a separate file so that it can be imported into the other pages.

```
<?php
```

```
$host = "127.0.0.1";
```

```
$user = "root";
```

```
$password = "";
```

```
$database = "assign01";
```

```
//connect to MySQL
```

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

```
if ($connect->connect_errno)
```

```
{
```

```
    echo "Failed to connect to MySQL: ".
```

```
        $connect->connect_error;
```

```
}
```

```
?>
```

***addcdtodb.php***

Replace database connection code with: `require "dbconn.php";`

# <?php

```
require "dbconn.php";
```

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

```
$dno = $_GET['disknum'];
```

```
$dnam = $_GET['diskname'];
```

```
$dart = $_GET['diskartist'];
```

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

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

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

?

# *jobdone.html*

---

Has an extra line added.

```
<html>
```

```
  <head></head>
```

```
  <body>
```

```
    Your CD has been added to the database
```

```
    <br /><br />
```

```
    Click <a href="addcd.html">here</a> to add another  
cd
```

```
    Click <a href="products.php">here</a> to see the  
list
```

```
  </body>
```

```
</html>
```

# *addcd.html*

---

No change

```
<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 (first section)*

---

```
<?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">
```

## products.php (section)

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

    echo "<tr>";
    echo "<td>";
    echo $cdnum;
    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;
}
?>
```

# *New column added to table*

---

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

because it is in a loop, will output:

```
<a href='deletecd.php?diskno= 0009 '>Delete</a>
<a href='deletecd.php?diskno= 0004 '>Delete</a>
<a href='deletecd.php?diskno= 0005 '>Delete</a>
<a href='deletecd.php?diskno= 0002 '>Delete</a>
<a href='deletecd.php?diskno= 0010 '>Delete</a>
```

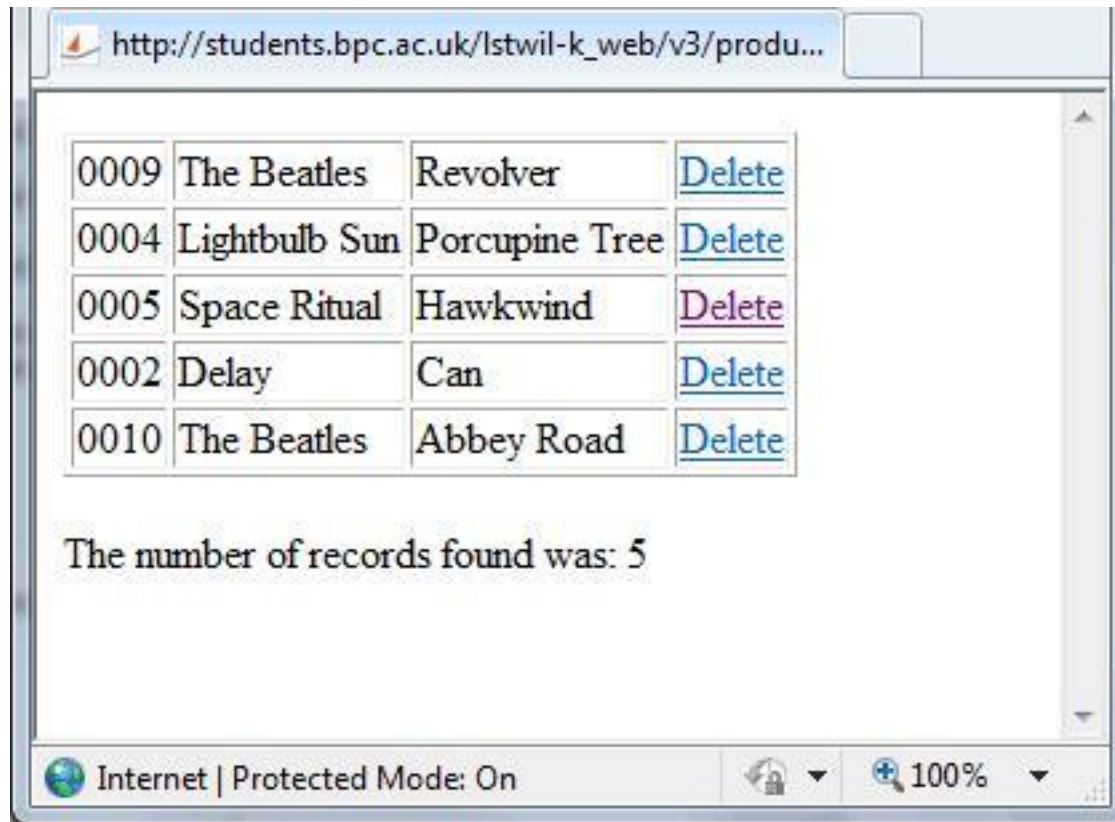
where \$cdnum reflects whatever is in the database.

This creates a link to a page called deletecd.php, and will send the disk number when clicked:

eg

deletecd.php?diskno=0009

# *Which will produce:*



# *deletecd.php*

---

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

// Get the cd number to be deleted
$dno = $_GET['diskno'];

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

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

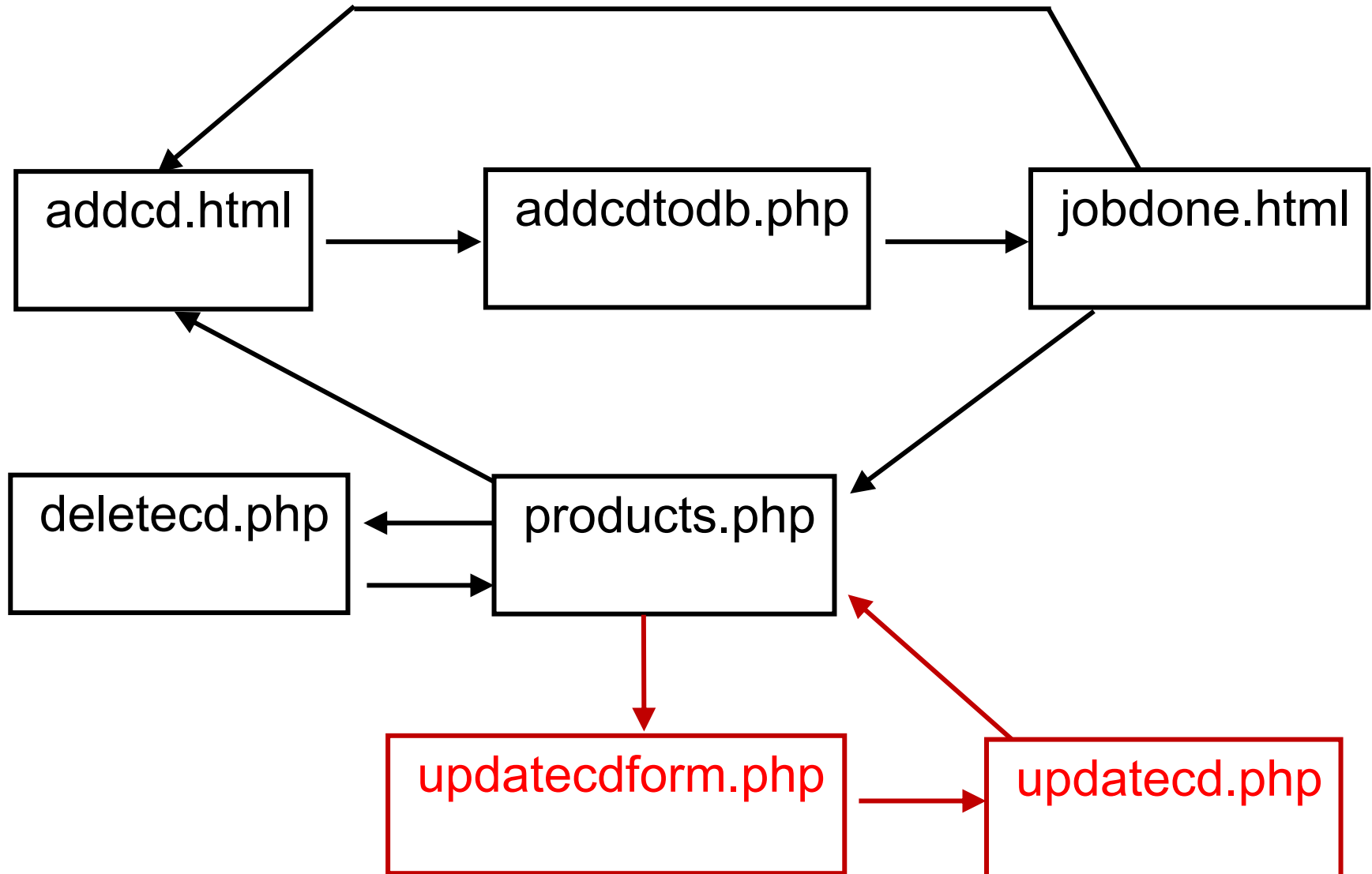
header("Location: products.php");
?>
```

# Updating Data in the Database

---

# *Page Map for updating a cd*

---



## products.php (section)

```
<?php
$count = 0;
while ($count < $numrow)
{
    $row = mysql_fetch_array($results);
    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;
}
```



# *Modify the cdnum column*

---

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

because it is in a loop, will output:

```
<a href='updatecdform.php?diskno= 0009 '> 0009 </a>
<a href='updatecdform.php?diskno= 0004 '> 0004 </a>
<a href='updatecdform.php?diskno= 0005 '> 0005 </a>
<a href='updatecdform.php?diskno= 0002 '> 0002 </a>
<a href='updatecdform.php?diskno= 0010 '> 0010 </a>
```

where \$cdnum reflects whatever is in the database.

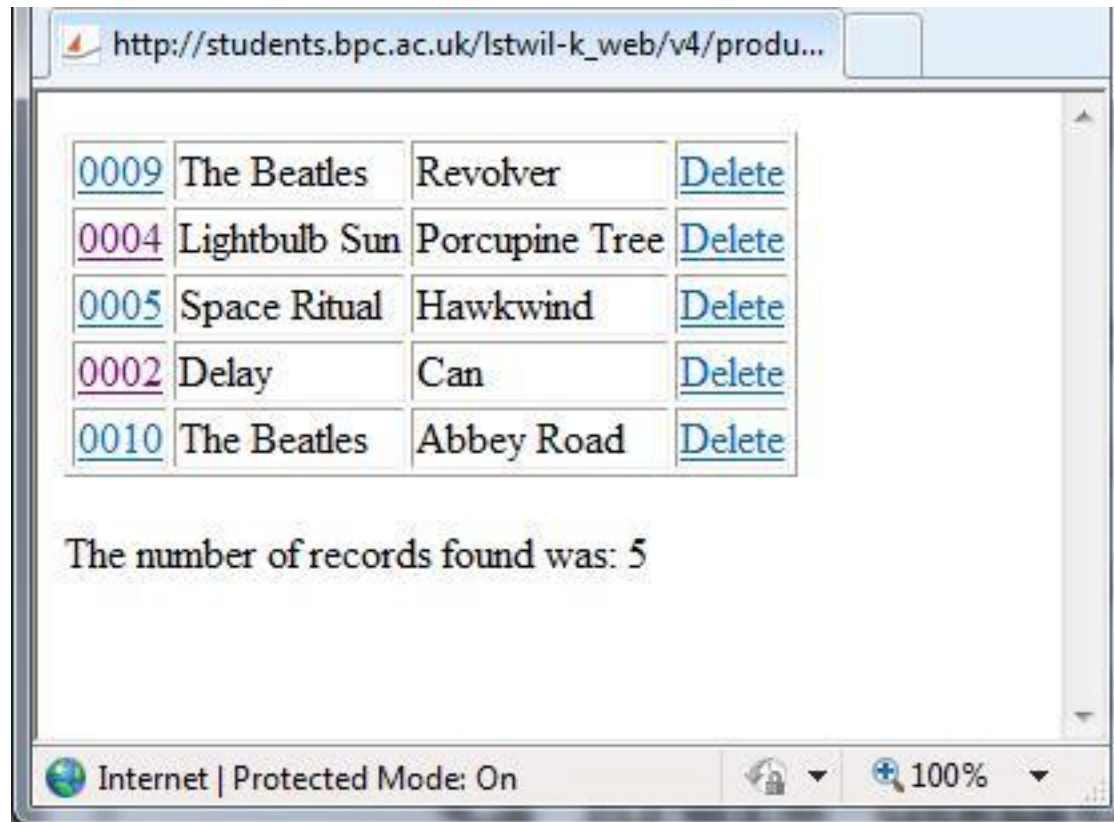
This creates a link to a page called updatecdform.php, and will send the disk number when clicked:

eg

updatecdform.php?diskno=0009

# *Which will produce:*

---



# *updatecdform.php (first half)*

---

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

// Get the cd number to be edited
$dno = $_GET['diskno'];

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

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

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

?>
```

# *updatecdform.php (second half)*

---

```
<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 $cdnum; ?>"></input>

    <br />
    CD Name:
    <input type="text" name="diskname" value="<?php echo $cdname; ?>"></input>
    <br />
    CD Artist:
    <input type="text" name="diskartist" value="<?php echo $artist; ?>"></input>
    <br />
    <input type="submit" name="Save" value="Save"></input>
  </form>
</body>
</html>
```

## *Input text box (detail)*

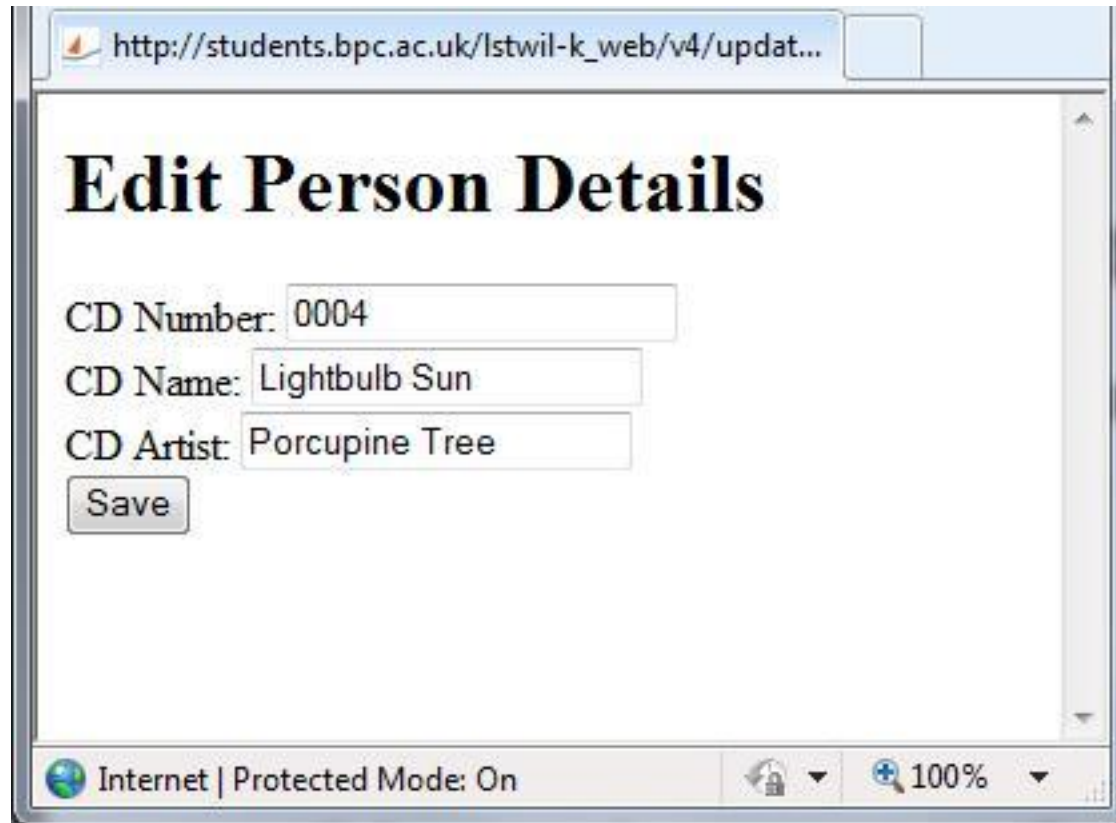
---

```
<input type="text"  
      name="disknum"  
      readonly="true"  
      value="<?php echo $cdnum; ?>">  
</input>
```

Note the use of the readonly attribute, and the use of the value attribute to give the textbox an initial value.

*will produce:*

---



A screenshot of a web browser window displaying a form titled "Edit Person Details". The browser's address bar shows the URL "http://students.bpc.ac.uk/lstwil-k\_web/v4/updat...". The form contains three text input fields: "CD Number" with the value "0004", "CD Name" with the value "Lightbulb Sun", and "CD Artist" with the value "Porcupine Tree". Below these fields is a "Save" button. The browser's status bar at the bottom indicates "Internet | Protected Mode: On" and a zoom level of "100%".

http://students.bpc.ac.uk/lstwil-k\_web/v4/updat...

## Edit Person Details

CD Number: 0004

CD Name: Lightbulb Sun

CD Artist: Porcupine Tree

Save

Internet | Protected Mode: On 100%

# *updatecd.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");
?>
```