

```

<?php #script view_customers.php with edit and delete links
/*originally script 10.1 but changed to suit the exercise
*retrieves all the records from the customers and the accounts tables from the banking database
*including customers who have no accounts
*and paginates the results 4 on a page
*For Review and Pursue chapter 10 exercise 5*/

```

```

$page_title = 'View the Current Customers';
include ('includes/header.html');
echo '<h1>Customer Information</h1>';

```

```

require_once ('includes/mysqli_bank_connect.php');//connect to the db

```

```

//number of records to be shown on each page
$display = 4;

```

```

//determine how many pages there are
if (isset($_GET['p']) && is_numeric($_GET['p'])){//already been determined

```

```

    $pages = $_GET['p'];

```

```

}else{//need to determine

```

```

    //count number of records

```

```

    $query = "SELECT COUNT(account_id) FROM accounts";

```

```

    $result = @mysqli_query ($dbc, $query);

```

```

    $row = @mysqli_fetch_array ($result, MYSQLI_NUM);

```

```

    $records = $row[0];

```

```

    //calculate the number of pages needed to show the requisite number of records

```

```

    if ($records > $display){//more records than pages

```

```

        $pages = ceil($records/$display);

```

```

    }else{

```

```

        $pages = 1;

```

```

    }

```

```

}//end of IF GET['p']

```

```

//determine where in the database to start returning results

```

```

if (isset($_GET['s']) && is_numeric($_GET['s'])){

```

```

    $start = $_GET['s'];

```

```

}else{

```

```

    $start = 0;

```

```

}

```

```

$sort = (isset($_GET['sort'])) ? $_GET['sort'] : 'id';

```

```

switch ($sort){

```

```

    case 'id':

```

```

        $order_by = 'account_id ASC';

```

```

        break;

```

```

    case 'ln':

```

```

        $order_by = 'last_name ASC';

```

```

        break;

```

```

    case 'fn':

```

```

        $order_by = 'first_name ASC';

```

```

        break;

```

```

    case 'type':

```

```

        $order_by = 'type ASC';

```

```

        break;

```

```

    case 'bal':

```

```

        $order_by = 'balance ASC';

```

```

        break;

```

```

    default:

```

```

        $order_by = 'account_id ASC';

```

```

        $sort = 'id';

```

```

        break;

```

```

}//end case

```

```

//define the query

```

```
$query = "SELECT a.account_id, c.last_name, c.first_name, a.type, a.balance FROM customers AS c LEFT JOIN accounts AS a ON c.customer_id = a.customer_id ORDER BY $order_by LIMIT $start, $display";
$result = @mysqli_query($dbc, $query);
```

```
//table header
```

```
echo '<table align="center" cellspacing="0" cellpadding="5" width="75%">
```

```
<tr>
```

```
<td align="left"><b>Edit</b></td>
```

```
<td align="left"><b>Delete</b></td>
```

```
<td align="left"><b><a href="view_customers.php?sort=id">Account_ID</a></b></td>
```

```
<td align="left"><b><a href="view_customers.php?sort=ln">Last Name</a></b></td>
```

```
<td align="left"><b><a href="view_customers.php?sort=fn">First Name</a></b></td>
```

```
<td align="left"><b><a href="view_customers.php?sort=type">Type</a></b></td>
```

```
<td align="left"><b><a href="view_customers.php?sort=bal">Balance</a></b></td>
```

```
</tr>
```

```
';
```

```
//fetch and print all the records
```

```
$bg = '#CCC';//set initial background colour for records: I made this darker as my sight isn't very good'
```

```
while ($row = mysqli_fetch_array($result, MYSQLI_ASSOC)){
```

```
    $bg = ($bg == '#CCC' ? '#FFF' : '#CCC');
```

```
    echo '<tr bgcolor="' . $bg . '">
```

```
        <td align="left"><a href="edit_customer.php?id=' . $row['account_id'] . '&fn=' . $row['first_name'] .
```

```
&ln=' . $row['last_name'] . '">Edit</a></td>
```

```
        <td align="left"><a href="delete_customer.php?id=' . $row['account_id'] . '&fn=' .
```

```
$row['first_name'] . '&ln=' . $row['last_name'] . '">Delete</a></td>
```

```
        <td align="left">' . $row['account_id'] . '</td>
```

```
        <td align="left">' . $row['last_name'] . '</td>
```

```
        <td align="left">' . $row['first_name'] . '</td>
```

```
        <td align="left">' . $row['type'] . '</td>
```

```
        <td align="left">' . $row['balance'] . '</td>
```

```
    </tr>
```

```
    ';
```

```
    }//end of while loop
```

```
echo '</table>';
```

```
mysqli_free_result($result);
```

```
mysqli_close($dbc);
```

```
//make the links to other pages
```

```
if ($pages > 1){//if only one page none of this is needed
```

```
    //add some spacing and begin paragraph
```

```
    echo '<br /><p>';
```

```
    //determine what page the script is on
```

```
    $current_page = ($start/$display) + 1;//if $start=10 etc then 10/10 + 1 = page 2
```

```
    //if not first page make a "Previous" link
```

```
    if ($current_page != 1){
```

```
        echo '<a href="view_customers.php?s=' . ($start - $display) . '&p=' . $pages . '&sort=' . $sort . '">Previous
```

```
</a>';
```

```
    }
```

```
    //make all the numbered pages
```

```
    for ($i = 1; $i <= $pages; $i++){
```

```
        if ($i != $current_page){
```

```
            echo '<a href="view_customers.php?s=' . (($display * ($i - 1))) . '&p=' . $pages . '&sort=' . $sort . '">
```

```
' . $i . '</a>';
```

```
        }else{
```

```
            echo $i . ' ';
```

```
        }
```

```
    }//end of for loop
```

```
//if not last page then make a "Next" button
if ($current_page != $pages){
    echo '<a href="view_customers.php?s=' . ($start + $display) . '&p=' . $pages . '&sort=' . $sort . "">Next</a>';
}

echo '</p>';//close the paragraph
}//end of links section

include ('includes/footer.html')
?>
```