

```

$logFile = fopen("Errors.log", "r");
$row_Count = 0;
while(!feof($logFile))
{
    $error_Array[$row_Count] = explode(' | ', fgets($logFile));
    $row_Count++;
}
$row_Count--;
fclose($logFile);
echo "<table>";
for ($J=$row_Count; $J >= 0; $J--)
{
    echo "<tr>";
    $displayString = "";
    for($I=0; $I < 3; $I++)
    {
        echo "<td> " . $error_Array[$J][$I] . " </td> ";
    }
    echo "</tr>";
}
echo "</table>";

```

The while loop now loads the array with the records and keeps a count of the number of items in the array. After the loop ends and the file has been closed, a for loop works through the array in reverse order to echo out the rows in the table. The counter variable `$J` begins with the total number of rows in the array (`$row_Count`). One is subtracted from `$row_Count` before the loop because it is incremented in the while loop after the last record has been retrieved, which makes the count one too many. `$J` is then decremented (`$J--`) for each loop until the value is less than zero. The internal for loop (`for($I=0;$I<3;$I++)`) has not changed, as it must still loop through each column of the rows to display the information.

By loading the records into an array, you can modify them if needed. Let's assume that you want to be able to delete a record from the log. As long as you know the row number that is to be deleted you can remove that record from the array. Then you can repopulate the file with the remaining records.

First you will make a slight change to the echo code you have completed to include a link next to the record to be deleted. You then will add a delete method, move the display code to a display method (so it can be called whenever needed), and create a save changes method to update the log file.

Example 5-8. The `readerrorlog.php` file

```

<?php

function deleteRecord($recordNumber, &$row_Count, &$error_Array) {
    for ($J=$recordNumber; $J < $row_Count - 1; $J++) {
        for($I=0; $I < 3; $I++)
            { $error_Array[$J][$I] = $error_Array[$J + 1][$I]; }
    }

    Unset($error_Array[$row_Count]);
    $row_Count--;
}

function saveChanges($row_Count,$error_Array,$log_File) {
    $logFile = fopen($log_File, "w");

```