

Lab 03: Managing Design and Interaction

In this lab, you will practise writing PHP code within a HTML page. This will include writing HTML tags, loops and working with variables.

Look at the Figure 1 sample output below.

text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here
text goes here	text goes here	text goes here	text goes here	text goes here

Figure 1: Sample output of a table, populated with data

The table in Figure 1 above can be created through a loop in PHP code. Its data can be subsequently populated within the loop. The sample code is as per Figure 2.

```
<html>
<body>
<table align="left" border="1" cellpadding="3" cellspacing="0">
<?php
for ($row=1; $row <= 10; $row++) {
    echo "<tr>\n";
    for ($col=1; $col <= 5; $col++) {
        echo "<td>text goes here</td>\n";
    }
    echo "</tr>\n";
}
?>
</table>
</body>
</html>
```

Figure 2: Sample PHP code to create a table using loop

Another example is shown in Figure 3 below. This example separates the table's heading, and populates its contents with unique values for each column.

```
<html>
<body>
<table align="left" border="1" cellpadding="3" cellspacing="0">
<tr>
    <td>No.</td>
    <td>Name</td>
    <td>Location</td>
    <td>Remarks</td>
</tr>
<?php
for ($row=1; $row <= 10; $row++) {
    $col1 = "No.: $row";
    $col2 = "Name: $row";
    $col3 = "Location: $row";
    $col4 = "Remarks: $row";

    echo "<tr>\n";
    echo "<td>$col1</td>\n";
    echo "<td>$col2</td>\n";
    echo "<td>$col3</td>\n";
    echo "<td>$col4</td>\n";
    echo "</tr>\n";
}
?>
</table>
</body>
</html>
```

Figure 3: Sample PHP code to create a table using loop, containing table header and unique values for each column.

You tasks:

1. Create a table using loop
2. Number of rows and columns are defined through user's input.
3. Table has rows with an alternating colour, chosen by the user.
4. Display the total rows at the bottom of the page, immediately after the table.

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