

Practical - PHP Recap

You should complete all of the following tasks. You will be expected to show your completed tasks to your tutor during next week's tutorial.

Tasks should be stored on your 'T' drive. This should already be mapped on your lab computer. If you can't find it you can map the network drive manually using "\\fcet7.staff.staffs.ac.uk\<your user name>".

You can view your files through a browser using "http://web.fcet.staffs.ac.uk/<your user name>".

The 'T' drive is accessible on the University Intranet or outside the University using VPN software.

Variables

Task 1

Add to the following code so that the value of the *\$message* variable is output to the browser.

```
<?php
$message = 'Exercise 1 complete';
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Task 1</title>
</head>
<body>

</body>
</html>
```

You can use *echo* or *print* to output a string to the browser.

Task 2

Add to the following code so that the number of kilometres is calculated and the product is output to the browser.

```
<?php
define('MILES_TO_KM', 1.6);
$numberOfMiles = 20;
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Task 2</title>
</head>
<body>
```

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

The code defines *MILES_TO_KM* as a constant with a value of 1.6. You can use this constant in your calculation.

Arrays

Task 3

Add to the following code so that it sorts the *\$films* array into alphabetical order and outputs the 3rd element in the sorted array.

```
<?php
$films = array('The Matrix', 'Man of Steel', 'Iron Man', 'Avatar', 'Twelve Monkeys');
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Task 3</title>
</head>
<body>

</body>
</html>
```

The PHP function *sort()* can be used to sort arrays. The first element in an array has the index number 0.

Conditional Statements

Task 4

The following code randomly generates either 0 or 1 and assigns it to the *\$randomNumber* variable. Add to the code so that it outputs 'Heads' if the value of *\$randomNumber* is 0 and 'Tails' if it is 1.

```
<?php
$randomNumber = rand(0, 1);
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Task 4</title>
</head>
<body>

</body>
</html>
```

Loops

Task 5

Add to the following code so that the two dimensional array `$oneToFiveTimesTable` is output as an HTML table with 5 rows and 5 columns. You must use two loops to do this.

```
<?php
$oneToFiveTimesTable = array(array(1, 2, 3, 4, 5),
                               array(2, 4, 6, 8, 10),
                               array(3, 6, 9, 12, 15),
                               array(4, 8, 12, 16, 20),
                               array(5, 10, 15, 20, 25));

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Task 5</title>
</head>
<body>
</body>
</html>
```

You should nest your loops one inside the other. One loop will handle the row output and the other will handle the column output for each row.