

PHP Exercises

One

Create a new PHP file called *lab1ex1.php* with a head and body structure, with “Exercise 1” as the document title (in the browser title bar and in the body of the document using `<h1>` tags)

In the body of the document, write a block of PHP code that writes a “hello world” message in appropriate `<p>` tags (use the print statement).

Publish the document on a web server

Test it out by viewing it in a browser. Ensure that you use the View – Page Source option in a browser to ensure the page behaves and is structured as you expect.

Two

Create a new PHP called *lab1ex2.php* file with the following content (leave out the line numbers)

```
1      <?php
2
3
4      ?>
5      <html>
6      <head>
7      <title>Exercise 2</title>
8      </head>
9      <body>
10     <h1>Information about this session</h1>
11     <p>Here is some information about me – my name is XXXXXXXXXX
        and I am studying xx years old</p>
12     <p>Today is XXXXXXXX and this subject is XXXXXXXXXXXXXXXX</p>
13     </body>
14     </html>
```

Save the file and publish it in the web server to ensure it works correctly

Create PHP variables with appropriate names for four values at line 2 and 3. These should contain your name, age, today’s day (i.e. Monday/Tuesday etc) and the name of this module.

Remember that you should give these variables initial values at the same time as you declare them using this syntax:

```
$variablename = value ;
```

Change line 11 and line 12 so that the variables are printed into the lines at the correct point.

Save the file and publish it in the web server to ensure it works correctly.

Three

Create a new PHP called *lab1ex3.php* file with the following content (leave out the line numbers).

```
1    <?php
2    $costOfBakedBeans=
3    $costOfRedbull=
4    $costOfCider=
5
6    $totalCost=
7
8
9
10
11
12    ?>
13    <html>
14    <head>
15    <title>Exercise 3</title>
16    </head>
17    <body>
18    <h1>My spending</h1>
19    <p>This page calculates my spending</p>
20    <p>My total spending is £XX</p>
21    </body>
22    </html>
```

Type the page in. This page will be used to calculate typical students spending.

Add some prices for the items to lines 2-4, then complete the formula on line 6

Change line 20 to use a print statement to print your spending out

Save the file and publish it in the web server to ensure it works correctly.

In fact, students also spend money on Pot Noodles – change the program so that it includes a cost of pot noodles (add this to line 5) and then change the formula on line 6 so that it works correctly.

Four (HTML revision)

Add some lines between 19-20 to print the individual item costs out in a table.

Five

Create a new PHP called *lab1ex5.php* file with the following content (leave out the line numbers).

```
1     <?php
2     $costOfMinutes=0.05;
3     $costOfTexts=0.10;
4
5
6
7
8
9
10
11
12     ?>
13     <html>
14     <head>
15     <title>Exercise 5</title>
16     </head>
17     <body>
18     <h1>My bill</h1>
19     <p>This page calculates my bill</p>
20     <table>
21     <tr><th>Amount of minutes</th>
22     <th>Number of text messages</th></tr>
23     <tr><td>XX</td><td>XX</td></tr>
24     </table>
25     <p>My total bill is £XX</p>
26     </body>
27     </html>
```

Save the file and publish it in the web server to ensure it works correctly

This page will be used to calculate a mobile phone bill

Create 2 variables to store your number of minutes and number of texts. Make up values for these and place them in lines 5 and 6

In line 8, add a variable called `$totalBill` which is calculated from

$$(\text{costOfMinutes} * \text{no of minutes}) + (\text{costoftexts} * \text{no of texts})$$

Change lines 23 to use a print statement to output your number of minutes and number of texts – then change line 25 to print out your `$totalBill` value.

Save the file and publish it in the web server to ensure it works correctly.