

HTML AND PHP TEST — ELEMENTS OF CORRECTION

Exercise 1

Computer: ✗

- The TITLE tag will be displayed in the tab header of your browser (so, not on the webpage).
 - There are a lot of other things that are usually put inside the HEAD tag, for instance CSS styles (link to the stylesheet or directly styles), metadata, javascript commands, an icon (displayed next to the TITLE in the tab header)...
- The <H1> tag (line 8) was not closed. You can just close it with </H1>.
- You can add the line EEB1 homepage.

Exercise 2

Computer: ✗

A ; was missing in the script, line 3.

Exercise 3

Computer: ✗

- ; must necessarily be used to terminate every PHP statement.
- The PHP command echo prints a string directly inside the HTML file.
- \$favourite_flavour = "chocolate"; (those who answered another flavour are clearly wrong).

Exercise 4

Computer: ✗

The output of this PHP script would be a single line containing To be, or not to be. (no newline character was added, so no newline will be added).

Exercise 5

Computer: ✗

Table:

This table contains:

- a
- b
- c

a	b	c
d	e	f

Exercise 1

Computer: ✓

Listing 1 contains a converter from Celsius to Fahrenheit.

```

1 <!doctype html>
2 <html>
3 <head>
4   <title>Celsius to Fahrenheit Converter</title>
5 </head>
6 <body>
7   <?php
8     $temperature_C = 23;
9     $temperature_F = 9 / 5 * $temperature_C + 32;
10    echo "<p>The temperature in Fahrenheit is $temperature_F.";
11    ?>
12 </body>
13 </html>

```

Listing 1: PHP exercise 1

Exercise 2

Computer: ✓

Listing 2 contains the statement.

```
1 <?php
2 if ($city == 'Brussels') {
3     echo "<p>You chose wisely.";
4 }
5 ?>
```

Listing 2: PHP exercise 2

Exercise 3

Computer: ✓

Listing 3 contains the function and its use.

```
1 <?php
2 function distance($speed, $time) {
3     return $speed * $time;
4 }
5 $departure_time_London = 9.5;
6 $arrival_time_Bombay = 11;
7 $zone_time_difference = 4.5;
8 $total_fly_time = $arrival_time_Bombay - $departure_time_London - 12 +
9     $zone_time_difference;
10 $airplane_speed = 910;
11 $airplane_distance = distance($airplane_speed, $total_fly_time);
12 echo "The London-Bombay flight is $airplane_distance km long.";
13 ?>
```

Listing 3: PHP exercise 3

Exercise 4

Computer: ✓

Hitting Ctrl + U on my webpage <http://www.barsamian.am/2021-2022/S7ICTA/> lets you see the HTML code of the page. The HTML comment, on lines 86–90, is given in Listing 4:

```
1 <!--
2 Question 1: Write a PHP program that sets the variable $first_name to your
3     first name and $last_name to your last name. Print out a string
4     containing your first and last name separated by a space. Also print out
5     the length of that string.
6
7 Question 2: What is the line number where this comment starts?
8 -->
```

Listing 4: HTML comment from my webpage

1. Listing 5 contains the program.
2. The comment starts on line 86 (you can see that while looking at the HTML code in your browser).

```
1 <?php
2 $first_name = "Yann";
3 $last_name = "Barsamian";
4 $full_name = $first_name . " " . $last_name;
5 $length = strlen($full_name);
6 echo "My full name is $full_name. It is $length characters long.";
7 ?>
```

Listing 5: PHP exercise 4

Exercise 5

Computer: ✓

Listing 6 contains the program.

```

1 <?php
2 $pizza_price = 9;
3 $pizza_nb = 3;
4 $milkshake_price = 3;
5 $milkshake_nb = 1;
6 $wine_price = 4;
7 $wine_nb = 2;
8 $price_without_VAT = $pizza_price * $pizza_nb + $milkshake_price *
    $milkshake_nb + $wine_price * $wine_nb;
9 $VAT_rate = 0.12;
10 $price_with_VAT = $price_without_VAT * (1 + $VAT_rate);
11 echo "<table>\n";
12 echo "<tr>\n";
13 echo "  <td>Item</td>\n";
14 echo "  <td>Price per unit</td>\n";
15 echo "  <td>Quantity</td>\n";
16 echo "  <td>Total</td>\n";
17 echo "</tr>\n";
18 $pizza_total = $pizza_price * $pizza_nb;
19 echo "<tr>\n";
20 echo "  <td>Pizza</td>\n";
21 echo "  <td>$pizza_price</td>\n";
22 echo "  <td>$pizza_nb</td>\n";
23 echo "  <td>$pizza_total</td>\n";
24 echo "</tr>\n";
25 $milkshake_total = $milkshake_price * $milkshake_nb;
26 echo "<tr>\n";
27 echo "  <td>Milkshake</td>\n";
28 echo "  <td>$milkshake_price</td>\n";
29 echo "  <td>$milkshake_nb</td>\n";
30 echo "  <td>$milkshake_total</td>\n";
31 echo "</tr>\n";
32 $wine_total = $wine_price * $wine_nb;
33 echo "<tr>\n";
34 echo "  <td>Wine glass</td>\n";
35 echo "  <td>$wine_price</td>\n";
36 echo "  <td>$wine_nb</td>\n";
37 echo "  <td>$wine_total</td>\n";
38 echo "</tr>\n";
39 echo "<tr>\n";
40 echo "  <td>Food</td>\n";
41 echo "  <td>n/a</td>\n  <td>n/a</td>\n";
42 echo "  <td>$pizza_total</td>\n";
43 echo "</tr>\n";
44 $drinks_total = $milkshake_total + $wine_total;
45 echo "<tr>\n";
46 echo "  <td>Drinks</td>\n";
47 echo "  <td>n/a</td>\n  <td>n/a</td>\n";
48 echo "  <td>$drinks_total</td>\n";
49 echo "</tr>\n";
50 echo "<tr>\n";
51 echo "  <td>Pre-VAT</td>\n";
52 echo "  <td>n/a</td>\n  <td>n/a</td>\n";
53 echo "  <td>$price_without_VAT</td>\n";
54 echo "</tr>\n";
55 echo "<tr>\n";
56 echo "  <td color='red'>Post-VAT</td>\n";
57 echo "  <td>n/a</td>\n  <td>n/a</td>\n";
58 echo "  <td color='red'>$price_with_VAT</td>\n";
59 echo "</tr>\n";
60 echo "</table>\n";
61 ?>

```

Listing 6: PHP exercise 5: http://www.barsamian.am/2021-2022/S7ICTA/Test1_ExoB5.php