

# PHP + HTML: SAMPLE EXERCISES

## Exercise 1

Computer: ✗

What is the output of Listing 1? Please fill Listing 2. The output is not a valid HTML page. Find a way to change Listing 1 (multiple solutions exist) so that the output is valid, while changing as few characters as possible.

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Mixing PHP with HTML</title>
5 </head>
6 <body>
7   <p><?php echo "One"; ?></p>
8   <<?php echo "h";?>1>Two<<?php echo "/h2";?>>
9   <?php
10     echo "<p>Three</p>";
11     echo "</body>";
12   ?>
13 </html>

```

Listing 1: PHP exo 1: PHP code

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Mixing PHP with HTML</title>
5 </head>
6 <body>
7
8
9
10
11
12
13
14
15 </html>

```

Listing 2: PHP exo 1: HTML output

## Exercise 2

Computer: ✗

The PHP file in Listing 3 contains an error. Please correct it.

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Inches to Centimeters Converter</title>
5 </head>
6 <body>
7   <?php
8     // One inch is 2.54 cm.
9     $one_inch = 2.54
10    // My screen has a size of 14 inches.
11    $size_in_inches = 14;
12    // Perform conversion and display result.
13    $size_in_cms = $size_in_inches * $one_inch;
14    echo "<p>Your screen measures " . $size_in_cms . " centimeters.";
15  ?>
16 </body>
17 </html>

```

Listing 3: PHP exo 2: PHP code

### Exercise 3

Computer: ✗

1. What character must necessarily be used to terminate every PHP statement?
2. What character must necessarily be used to begin every PHP variable?
3. Correct the PHP script

```
echo "The "f" word.";
```

(all quotation marks are double quotes) so that it properly outputs:

```
The "f" word.
```

Bonus: please give two ways to correct this script.

4. Write a PHP script that initialize a variable with an integer value, and then increment its value by 3.

### Exercise 4

Computer: ✓

Write a HTML document that gives an output as close as possible to Figure 1.

## Create a free account

### Account Details

Email:

Password:

### Personal Details

Name:

Gender:  Male  Female

Your favorite rainbow color is:

### Terms

I accept to receive emails.

Red  
Orange  
Yellow  
Green  
Blue  
Indigo  
Violet

Figure 1: Form to create

### Exercise 5

Computer: ✓

Write PHP scripts that initialize a variable named `city`. Prints a paragraph that says "Best world's city!" if it is Brussels, prints "Not so bad." if it is Ghent, and prints "You'd better move out." in other cases.

Bonus: modify the previous script to also account for French and Dutch names of Brussels and Ghent.