PHP + HTML: SAMPLE EXERCISES

Exercise 1
<div style="text-align:right">Computer: ✗</div>

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.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Mixing PHP with HTML</title>
</head>
<body>
    <p><?php echo "One"; ?>;</p>
    <<?php echo "h";?>1>Two<<?php echo "/h2";?>>
    <?php
        echo "<p>Three</p>";
        echo "</body>";
    ?>
</html>
```
Listing 1: PHP exo 1: PHP code

```html
<!DOCTYPE html>
<html>
<head>
    <title>Mixing PHP with HTML</title>
</head>
<body>




</html>
```
Listing 2: PHP exo 1: HTML output

Exercise 2
<div style="text-align:right">Computer: ✗</div>

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

```php
<!DOCTYPE html>
<html>
<head>
    <title>Inches to Centimeters Converter</title>
</head>
<body>
    <?php
    // One inch is 2.54 cm.
    $one_inch = 2.54
    // My screen has a size of 14 inches.
    $size_in_inches = 14;
    // Perform conversion and display result.
    $size_in_cms = $size_in_inches * $one_inch;
    echo "<p>Your screen measures $size_in_cms centimeters.";
    ?>
</body>
</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.

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.