PHP syntax:

Exercise 1:

Insert the missing part of the code below to output "Hello World".

```
"Hello World";
```

Solution:

```
echo "Hello World";
```

Exercise 2:

Write the correct opening tag and close tag for PHP scripts.

```
echo "This is PHP";
```

Solution:

```
<?php
echo "This is PHP";
?;</pre>
```

Exercise 3:

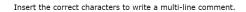
Single-line comments in PHP can be written using two different prefixes, write one of them.

```
This is a single-line comment
```

Solution:

// This is a single-line comment

Exercise 4:



```
This is a
multi-line
comment
```

Solution:

```
/* This is a
multi-line
comment*/
```

Exercise 5:

Statements in PHP have to end with a special character, which one?

```
echo "Hello World"
```

Solution:

```
echo "Hello World";
```

PHP variables:

Exercise 1:

Create a variable named txt and assign the value "Hello".

```
= "";
```

```
$txt = "Hello";
```

Exercise 2:

Create one variable named $\,x$, and one variable named $\,y$, then use the $\,$ echo $\,$ statement to output the sum of $\,x$ and $\,y$.

```
= 5;
= 7;
+ ;
```

Solution:

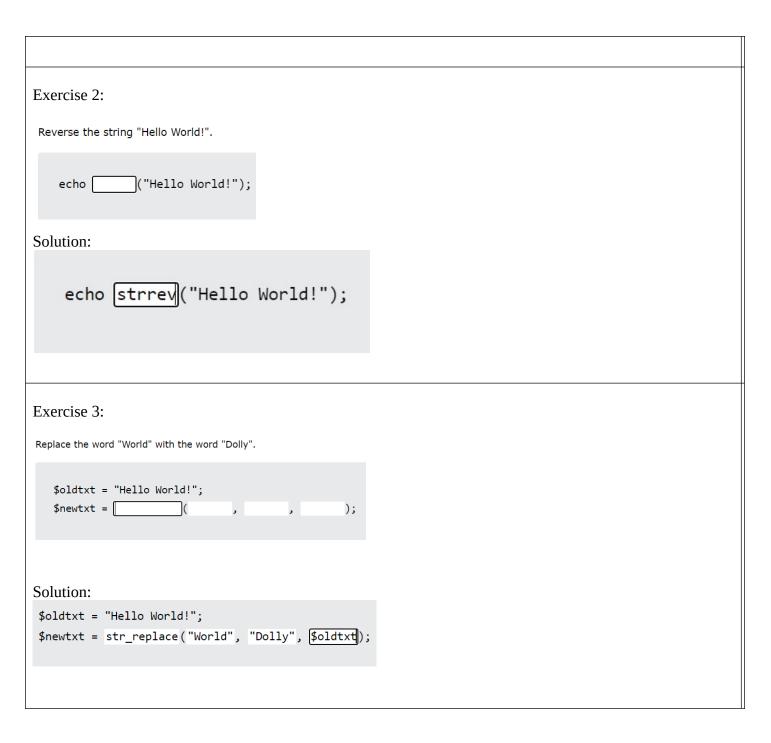
```
$x = 5;
$y = 7;
echo $x + \[ \frac{$y}{} \];
```

Solution:

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
[asort($age)];
```

PHP strings:

Exercise 1: Get the length of the string "Hello World!". echo ("Hello World!"); Solution: echo strlen("Hello World!");



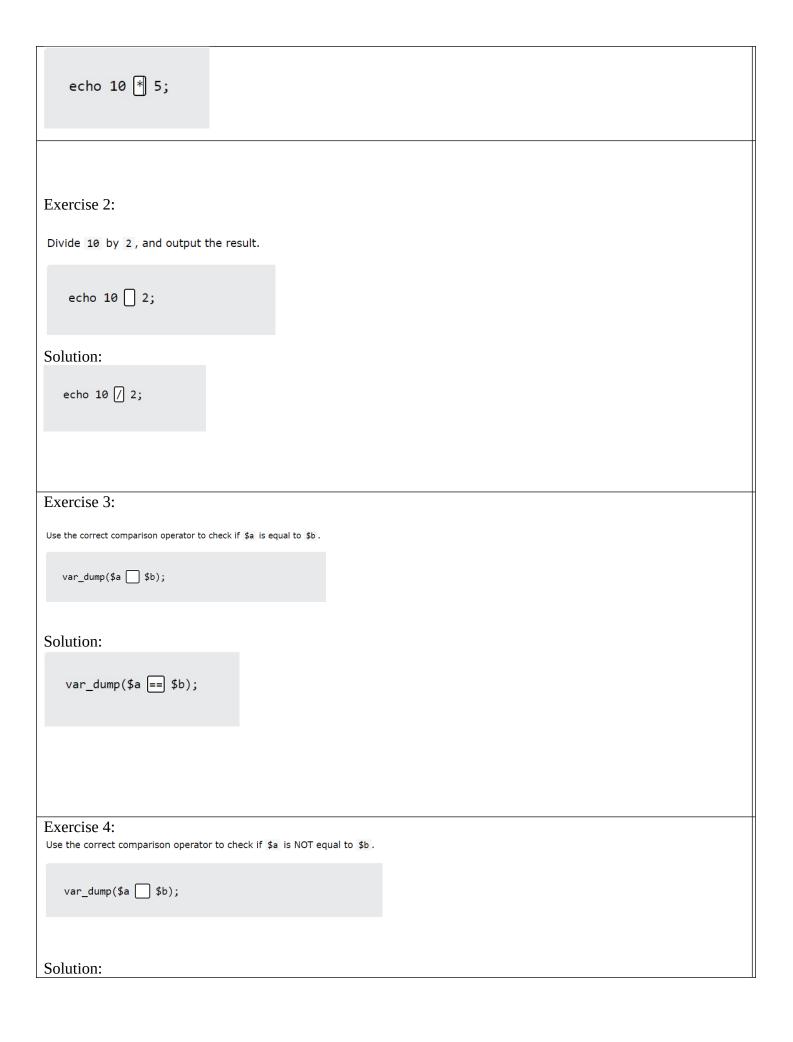
PHP operators:

```
Exercise 1:

Multiply 10 with 5, and output the result.

echo 10 [ 5;

Solution:
```



```
var_dump($a [=] $b);
```

PHP if-else

Exercise 1:

Output "Hello World" if \$a is greater than \$b.

```
$a = 50;
$b = 10;

chapter > {
   echo "Hello World";
}
```

Solution:

```
$a = 50;
$b = 10;
if ($a > $b) {
   echo "Hello World";
}
```

Exercise 2:

Output "Hello World" if \$a is NOT equal to \$b.

```
$a = 50;
$b = 10;

cecho "Hello World";
}
```

```
$a = 50;
$b = 10;
if ($a != $\frac{$b}{}\) {
   echo "Hello World";
}
```

Exercise 3:

Output "Yes" if \$a is equal to \$b, otherwise output "No".

```
$a = 50;
$b = 10;

($a == $b) {
   echo "Yes";
}
{
   echo "No";
}
```

Solution:

```
$a = 50;
$b = 10;
if ($a == $b) {
   echo "Yes";
} else {
   echo "No";
}
```

Exercise 4:

Output "1" if a is equal to b, print "2" if a is greater than b, otherwise output "3".

```
$a = 50;
$b = 10;

($a == $b) {
   echo "1";
} ($a > $b) {
   echo "2";
} ($a > $b) {
   echo "3";
}
```

```
$a = 50;
$b = 10;
if ($a == $b) {
   echo "1";
} elseif ($a > $b) {
   echo "2";
} else {
   echo "3";
}
```

PHP switch:

Exercise 1: Create a switch statement that will output "Hello" if \$color is "red", and "welcome" if \$color is "green". (\$color) { "red": echo "Hello"; "green": echo "Welcome"; break; Solution: switch (\$color) { case "red": echo "Hello"; break; case "green": echo "Welcome"; break; } Exercise 2: Add a section that will output "Neither" if \$color is neither "red" nor "green". switch (\$color) { case "red": echo "Hello"; break; case "green": echo "Welcome"; break; echo "Neither"; Solution:

```
switch ($color) {
  case "red":
    echo "Hello";
    break;
  case "green":
    echo "Welcome";
    break;

  default:
    echo "Neither";
}
```

PHP loops:

```
Exercise 1:

Output $i as long as $i Is less than 6.

$i = 1;

$i echo $i;
$i++;

Solution:

$i = 1;

while ($i < 6) {
   echo $i;
$i++;

}

Exercise 2:
```

Output \$i as long as \$i is less than 6.

```
$i = 1;

{
    echo $i;
    $i++;
}
($i < 6);</pre>
```

Solution:

```
$i = 1;

do {
    echo $i;
    $i++;
} while ($i < 6);</pre>
```

Exercise 3:

Create a loop that runs from 0 to 9.

```
($i = 0; $i < 10; ) {
   echo $i;
}
```

Solution:

```
for ($i = 0; $i < 10; $i++) {
  echo $i;
}</pre>
```

Exercise 4:

Loop through the items in the \$colors array.

```
Solution:
$colors = array("red", "green", "blue", "yellow");

foreach ($colors as $x) {
   echo $x;
}
```

PHP functions:

Exercise 1: Create a function named myFunction. echo "Hello World!"; Solution: function myFunction() { echo "Hello World!"; } Exercise 2: Call (execute) a function named myFunction. function myFunction() { echo "Hello World!"; Solution:

```
function myFunction() {
   echo "Hello World!";
}
myFunction();
Exercise 3:
Inside a function with two parameters, print the first parameter.
  function myFunction($fname, $lname) {
    echo ;
Solution:
function myFunction($fname, $lname) {
   echo $fname;
}
Exercise 4:
Let the function return the second value.
   function myFunction($fname, $lname) {
Solution:
 function myFunction($fname, $lname) {
    return $1name;
 }
```

Exercise 1:

```
$fruits = array("Apple", "Banana", "Orange");
echo ______;
```

Solution:

```
$fruits = array("Apple", "Banana", "Orange");
echo count($fruits);
```

Exercise 2:

Output the second item in the \$fruits array.

```
$fruits = array("Apple", "Banana", "Orange");
echo ______;
```

Solution:

```
$fruits = array("Apple", "Banana", "Orange");
echo [$fruits[1]];
```

Exercise 3:

Create an associative array containing the age of Peter, Ben and Joe.

```
$age = array("Peter" 35", "Ben" "37", "Joe" "43");
```

Solution:

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"==\"43");
```

Exercise 4:

Here you see an associative array. Output "age" of Ben.

Solution:

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
echo "Ben is " . $age["Ben"] . " years old.";
```

Exercise 5:

Loop through an associative array and output the key and the value.

```
($age $x $y) {
echo "Key=" . . ", Value=" . ;
}
```

Solution:

```
foreach($age as $x => $y) {
    echo "Key=" . $x . ", Value=" . $y];
}
```

Exercise 6:

Use the correct array method to sort the \$colors array alphabetically.

```
$colors = array("red", "green", "blue", "yellow");
```

Solution:

```
$colors = array("red", "green", "blue", "yellow");
sort($colors);
```

Exercise 7:

Use the correct array method to sort the \$colors array descending alphabetically.

```
$colors = array("red", "green", "blue", "yellow");
```

Solution:

```
$colors = array("red", "green", "blue", "yellow");
[rsort($colors)];
```

Exercise 8:

Use the correct array method to sort the \$age array according to the *values*.

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
```

```
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
[asort($age)];
```