

# Exercicis introdutoris de PHP



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# Syntax

## Exercici 1

A PHP script starts and ends with:

```
<?
```

```
//PHP code
```

```
?>
```

```
*** <?php
```

```
*** //PHP code
```

```
*** ?>
```

```
<?php
```

```
//PHP code
```

```
?php>
```

## Exercici 2

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

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

## Exercici 3

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

```
<?php
```

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

```
?>
```

## Exercici 4

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

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

## Exercici 5

Insert the correct characters to write a multi-line comment.

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

## Exercici 6

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

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

# Comments

## Exercici 1

Which one is NOT a legal PHP comment:

*# comment goes here*

*// comment goes here*

*\*\*\* ' ' comment goes here*

*/\* comment goes here \*/*

## Exercici 2

Insert the PHP comment syntax to make sure the following code line is not executed:

*//* print("Hello World");

## Exercici 3

Use the PHP multi-line comment syntax to make sure the following code lines are not executed:

```
/*  
x = 5;  
print(x);  
*/
```

# Variables

## Exercici 1

Which one is NOT a legal PHP variable name:

```
myVar = 3
```

```
my_Var = 3
```

```
myvar = 3
```

```
*** my-var = 3
```

## Exercici 2

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

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

## Exercici 3

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

```
$x = 5;  
$y = 7;  
echo $x + $y;
```

# Echo and print

## Exercici 1

The two `echo` statements below will produce the same result:

```
$name = 'Linus';  
echo '<h1>Hello $name</h1>';  
echo "<h1>Hello $name</h1>";
```

True

— False

## Exercici 2

The two `print` statements below will produce the same result:

```
$name = 'Linus';  
print '<h1>Hello $name</h1>';  
print "<h1>Hello " . $name . "</h1>";
```

True

— False

## Exercici 3

Fill in the missing part to output "Welcome" to the screen:

```
echo "Welcome";
```

# Data Types

## Exercici 1

What data type is the `$x` variable below:

```
$x = true;
```

Integer

**Boolean**

Float

String

## Exercici 2

What data type is the `$x` variable below:

```
$x = "false";
```

Integer

Boolean

Float

**String**

## Exercici 3

What is a correct function for returning the data type of an object?

```
type()
```

```
typeof()
```

```
var_type()
```

```
var_dump()
```



# Strings

## Exercici 1

What will be the output of the following code:

```
$x = 5;  
echo 'The price is $x';
```

The price is 5

The price is

**The price is \$x**

## Exercici 2

Get the length of the string "Hello World!".

```
echo strlen("Hello World!");
```

## Exercici 3

What will be the output of the following code:

```
$fname = "Jenifer";  
echo "Hello $fname";
```

**Hello Jenifer**

Hello

Hello \$fname

# Modify Strings

## Exercici 1

What is a correct function to return a string as all upper case letters:

`touppercase()`

`strtoupper()`

`ucase()`

`toupper()`

## Exercici 2

Reverse the string "Hello World!".

echo `strrev`("Hello World!");

## Exercici 3

Replace the word "World" with the word "Dolly".

`$oldtxt = "Hello World!";`

`$newtxt = str_replace("World", "Dolly", $oldtxt);`

# Concatenate Strings

## Exercici 1

What will be the result of `$z` in the following code example:

```
$x = 5;  
$y = 10;  
$z = "$x . $y";
```

**5 . 10**

15

5.10

## Exercici 2

What will be the result of `$z` in the following code example:

```
$x = 5;  
$y = 10;  
$z = "$x$y";
```

An error will be raised

**510**

`$x$y`

## Exercici 3

What will be the result of `$z` in the following code example:

```
$x = 5;  
$y = 10;  
$z = $x . $y;
```

**510**

15

5 10

5 . 10

# Operators

## Exercici 1

Which one is a correct syntax for incrementing \$x by 1:

`$x + 1;`

`$x++;`

`1 + $x;`

## Exercici 2

Multiply 10 with 5, and output the result.

`echo 10 * 5;`

## Exercici 3

Divide 10 by 2, and output the result.

`echo 10 / 2;`

## Exercici 4

Use the correct comparison operator to check if \$a is equal to \$b.

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

## Exercici 5

Use the correct comparison operator to check if \$a is NOT equal to \$b.

`var_dump($a != $b);`