Exercici 1 Estructures de control de PHP

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If Statement

Exercici 1

What will be the output of the following code:

```
if (5 < 4) {
  echo "Hello";
}
echo ", my name is Linus"
```

```
Hello, my name is Linus
```

```
Hello
```

`** , my name is Linus`

Exercici 2

What will be the output of the following code:

```
$x = 4;
if ($x > 4) {
  echo "Hello";
}
echo ", my name is Linus"
```

```
Hello, my name is Linus
```

```
Hello
```

`** , my name is Linus`

Exercici 3

What will be the output of the following code:

```
$x = 5;
if ($x > 4) {
  echo "Hello";
}
echo ", my name is Linus"
```

**** Hello, my name is Linus**

```
Hello

, my name is Linus
```

If Operators

Exercici 1

Consider the following code:

```
if ($x != 5) {
  echo "Hello";
}
```

What must the value of `$x` be to make the condition true?

```
5
```

```
5 or larger
```

```
5 or less
```

```
** not 5
```

Exercici 2

Fill in the missing part to make the condition true:

```
if (5 == 5) {
  echo "Hello";
}
```

Exercici 3

Fill in the missing part to check if 5 is larger than 2:

```
if (5 > 2) {
  echo "Hello";
}
```

If...Else

Exercici 1

What will be the output of the following code:

```
if (5 == 5 && 3 < 7) {
  echo "Hello";
} else {
  echo "Good bye";
}
```

**** Hello**

Good bye

Exercici 2

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

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

Exercici 3

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

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

Switch

Exercici 1

Which one is NOT a keyword used inside `switch` code blocks:

`break`

`default`

`** return`

`case`

Exercici 2

Create a `switch` statement that will output "Hello" if `$color` is "red", and "welcome" if `$color` is "green".

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

Exercici 3

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;
  default:
    echo "Neither";
}
```

Loops

Exercici 1

Which loop evaluates three expressions, one before the loop starts, one beafore each iteration, and one after each iteration?

`while`

`do...while`

`** for`

`foreach`

Exercici 2

Which loop is best for looping through the items of an array?

`while`

`do...while`

`for`

`** foreach`

Exercici 3

Which one of these loop types is not a legal loop type in PHP:

`while`

`for`

`** iterate`

While Loops

Exercici 1

Which statement is used to stop the loop in the middle of an iteration?

```
stop;

end;

** break;
```

Exercici 2

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

```
$i = 1;

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

Exercici 3

Which statement is used to stop the current iteration, and move on to the next iteration?

```
stop;

** continue;

next;
```

For Loops

Exercici 1

What will be the output of the following code:

```
for ($i = 0; $i < 5; $i++) {
  echo $i;
}
```

```
12345
```

```
** 01234
```

```
012345
```

Exercici 2

Create a loop that runs from 0 to 9.

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

Exercici 3

Create a loop that runs from 0 to 9, but when it comes to 3, make it skip that iteration and move on to the next.

```
for ($x = 0; $x < 10; $x++) {
  if ($x == 3) continue;
  echo "The number is: $x";
}
```

Foreach Loops

Exercici 1

What will be the output of the following code:

```
$colors = array('red', 'green', 'blue', 'yellow');
foreach ($colors as $x) {
  if ($x == 'green') continue;
  echo $x;
}
```

```
redgreenblueyellow
```

```
red
```

```
** redblueyellow
```

Exercici 2

Loop through the items in the `$colors` array.

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

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

Exercici 3

Loop through the key and value pairs of the associative array:

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

foreach ($members as $x => $y) {
  echo "$x : $y";
}
```