# Solutions

# PHP Lab 4 Operators and Flow Control

## Here is a possible solution to the manual section:

<!-- compute powers of a number -->

<html>

<title> Powers</title>

<body>

<h4>Powers of a number</h4>

<?php

echo "n" . "&nbsp" . "n^2" . "&nbsp" . "n^3" . "<br>";

$x = 1;

echo $x . "&nbsp". $x\*$x . "&nbsp". $x\*$x\*$x . "<br>";

$x = 2;

echo $x . "&nbsp". $x\*$x . "&nbsp". $x\*$x\*$x . "<br>";

$x = 3;

echo $x . "&nbsp". $x\*$x . "&nbsp". $x\*$x\*$x . "<br>";

?>

</body></html>

## Here is a possible solution to the manual section if you use HTML tables

<!-- compute powers of a number -->

<html>

<title> Powers</title>

<body>

<h4>Powers of a number</h4>

<table align = "left" border = "1" cellpadding = "3" cellspacing = "0">

<tr>

<th>n</td>

<th>n^2</td>

<th>n^3</td>

</tr>

<?php

$x = 1;

echo "<tr>";

echo " <td>". $x. "</td>";

echo " <td>". $x\*$x ,"</td>";

echo " <td>" . $x\*$x\*$x ,"</td>";

echo "</tr>";

$x = 2;

echo "<tr>";

echo " <td>". $x. "</td>";

echo " <td>". $x\*$x ,"</td>";

echo " <td>". $x\*$x\*$x ,"</td>";

echo "</tr>";

$x = 3;

echo "<tr>";

echo " <td>". $x. "</td>";

echo " <td>". $x\*$x ,"</td>";

echo " <td>". $x\*$x\*$x ,"</td>";

echo "</tr>";

?>

</table>

</body></html>

## Here is a solution using a For loop

<!-- compute powers of a number -->

<html>

<title> Powers</title>

<body>

<h4>Powers of a number</h4>

<?php

$stop = 5;

echo "n" . "&nbsp" . "n^2" . "&nbsp" . "n^3" . "<br>";

for ($x = 1; $x <= $stop; $x++)

{

echo $x . "&nbsp". $x\*$x . "&nbsp". $x\*$x\*$x . "<br>";

}

?>

</body></html>

## Here is a solution using a While loop

<!-- compute powers of a number -->

<html>

<title> Powers</title>

<body>

<h4>Powers of a number</h4>

<?php

$stop = 5;

echo "n" . "&nbsp" . "n^2" . "&nbsp" . "n^3" . "<br>";

$x = 1;

while ($x <= $stop)

{

echo $x . "&nbsp". $x\*$x . "&nbsp". $x\*$x\*$x . "<br>";

$x ++;

}

?>

</body></html>

## Here's a solution with a For loop and a table

<!-- compute powers of a number -->

<html>

<title> Powers</title>

<body>

<h4>Powers of a number</h4>

<table align = "left" border = "1" cellpadding = "3" cellspacing = "0">

<tr>

<th>n</td>

<th>n^2</td>

<th>n^3</td>

</tr>

<?php

$stop = 5;

for ($x = 1; $x <= $stop; $x++)

{

echo "<tr>";

echo " <td>". $x. "</td>";

echo " <td>". $x\*$x ,"</td>";

echo " <td>" . $x\*$x\*$x ,"</td>";

echo "</tr>";

}

?>

</table>

</body></html>