# PHP Lab 4 Operators

This lab assumes you’ve studied CyberAces\_Module3-WebScripting\_3\_PHPOperators\_20150129.pdf.

You will write a simple PHP script to run on your web server. (Remember, PHP runs on the server, Javascript runs on the web browser.) We will start the script in this lab and complete it in the next lab.

## Table of Powers

Write a php script that generates the following output:

Table of Powers

n n^2 n^3

1 1 1

2 4 8

3 9 27

First, we’ll generate the table manually, by creating one line of code for each line in the table. We’ll set n ($x, or whatever variable you chose) equal to 1 and print a line. Then we’ll set n = 2 and print the next line, and so on. After that we’ll do it using a loop.

Manual method

For the numbers use php code that computes $x\*$x, and $x\*$x\*$x. You’ll need to set the starting value of (initialize) $x to 1 before you compute the powers.

Then increment $x by 1, or set it to 2.

Then copy and paste in the line you used to compute $x\*$x, and $x\*$x\*$x so you compute the values for 2.

Repeat once more, with $x set to 3.

(The next lesson shows how to make this loop, so you only have to type the line once, but run it many times.)

Embed your code in a text file and save it with a .php extension. This is some basic HTML you can use:

<html>

<title> this shows up at the top of the browser</title>

<body>

<h4>this shows up at the top of your page</h4>

<?php

your stuff goes here

?>

</body></html>