

Assignment

Eli, the Computer Guy, PHP Tutorials 1-6

PHP Programming Part 1

Introduction to PHP Programming

1. How does Eli describe PHP?

PHP is the language that does all the heavy lifting behind the scenes of a website. It allows the website to use data to create programs for websites and such.

2. Briefly compare and contrast scripted and compiled languages.

Compiled language is when you compile your code and you make a non-editable executable file. A scripted language is when you upload a text file to a server that is accessed by an interpreter that makes the coding on the fly.

3. Briefly explain the difference between client side and server side scripting.

The server side scripting is when you the code is run on the server then sent compiled and ready to use to the client side. Scripting languages like java are client-side and are run on the client computer. Meaning the entire program is sent to their computer.

4. What popular website does Eli cite as an example of what you can do with PHP and MySQL? Why did Eli that that this particular site was a good example?

Craigslist, because it may not be the prettiest thing, but it is very effective.

5. What does Eli emphasize as the 'nice' thing about scripted languages such as PHP?

It is all run server side. This is good for security reason as it is compiled then sent to the user.

6. What is notepad++? Why would Eli recommend notepad++?

It is a ASCII editor. He likes it because it is a notepad with more bells and whistles. That also has a FTP built in.

7. If you want to write and run PHP code, what do you need?

You will need a text editor and PHP installed on a server.

8. How does Eli describe syntax?

How you spell the commands you are going to be using. And any mistake can cause the program to not run.

Deliverable :

PHP Version 5.4.45	
System	Linux yenko.websitewelcome.com 3.12.70-199.ELK6.x86_64 #1 SMP Thu Feb 2 00:35:59 CST 2017 x86_64
Build Date	Oct 5 2015 15:33:22
Configure Command	'./configure' '--with-libdir=lib64' '--enable-bcmath' '--enable-calendar' '--enable-dbase' '--enable-exif' '--enable-' '--enable-ftp' '--enable-gd-native-ttf' '--enable-libxml' '--enable-mbstring' '--enable-pdo' '--enable-soap' '--enable-sockets' '--enable-sqlite-utf8' '--enable-wddx' '--enable-zip' '--prefix=/opt/php54' '--with-bz2' '--with-curl' '--with-freetype-dir' '--with-gd' '--with-gettext' '--with-imagick' '--with-imagick=/opt/php_with_imagick_client/' '--with-imagick-ssl' '--with-mcrypt=/opt/libmcrypt' '--with-kerberos' '--with-jpeg-dir=/usr' '--with-xsl' '--with-mhash' '--with-mssql' '--with-mysql=/usr' '--with-mysql-sock=/var/lib/mysql/mysql.sock' '--with-mysqli=/usr/bin/mysql_config' '--with-openssl' '--with-pdo-mysql=/usr' '--with-png-dir' '--with-pspell' '--with-tidy' '--with-unixODBC=/usr' '--with-xmlrpc' '--with-zlib' '--enable-intl' '--with-gmp' '--with-sqlite'
Server API	CGI/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/opt/php54/lib
Loaded Configuration File	/opt/php54/lib/php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20100412
PHP Extension	20100525
Zend Extension	220100525
Zend Extension Build	API220100525,NTS
PHP Extension Build	API20100525,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled

m.

PHP Programming Part 2

PHP Syntax and Errors

1. In a Linux context, does capitalization matter?

Yes, because if you use a capital it will be treated as a different.

2. What are the basic attributes of PHP syntax?

It is very much like other codes. You must use quotation marks to display texts. You also must use semicolons at the end of each line

3. Discuss one of the PHP error handling techniques that Eli presents.

That PHP will give an error with a line number. The error maybe above or below your line given.

4. What is the difference between printing text and printing HTML?

PHP will print the text, but the browser is looking for " " as a tag.

5. What happens if you add a PHP script to a HTML page and you don't change the file type to .php from .html?

Only the HTML code will be read, and the PHP code will be displayed as an error.

PHP Programming Part 3

Comments and INCLUDE in PHP Programming

1. What are the three ways that you can make comments in PHP?

// single line

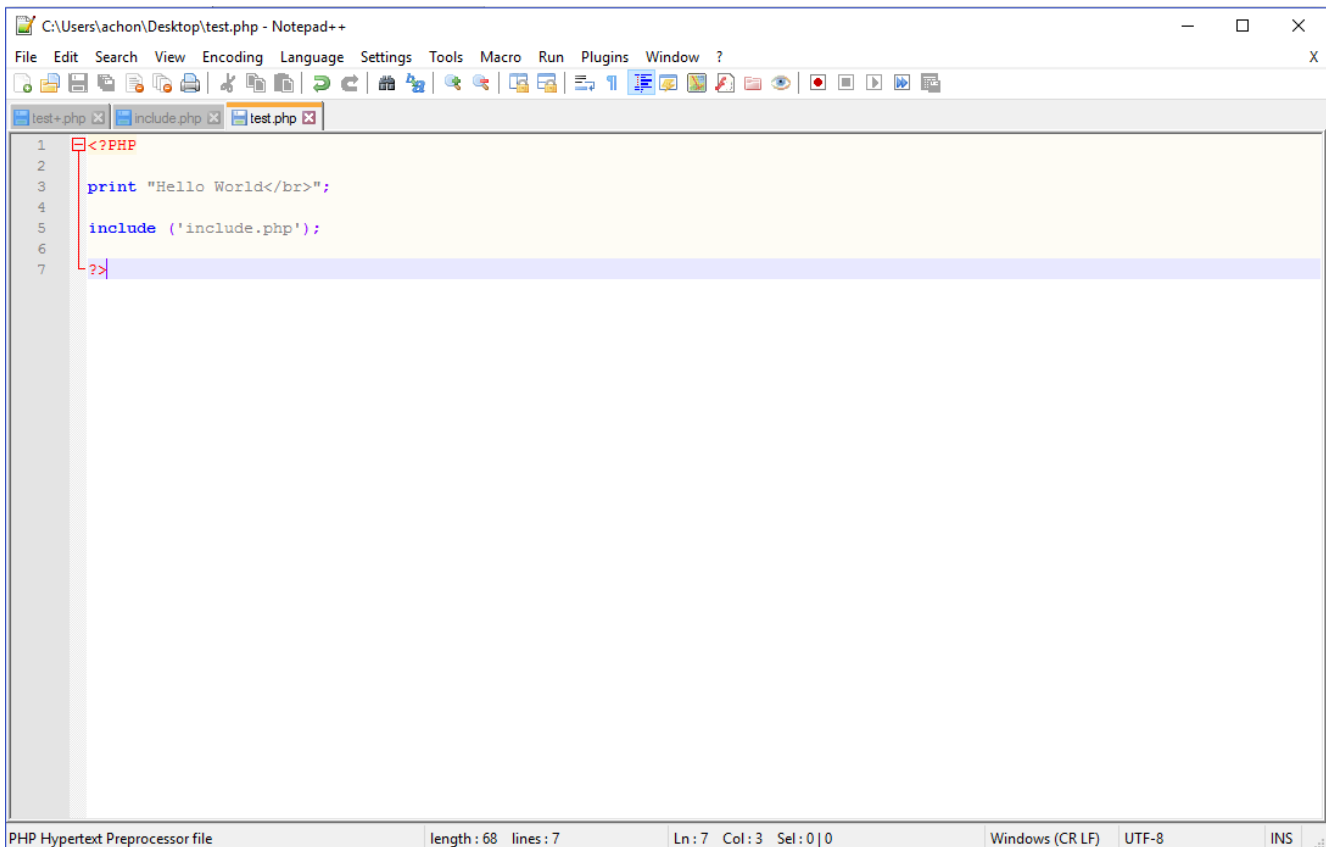
also single line

/* */ multi line comment

2. What is the PHP include function? Why is it useful?

It brings functions that are from another file. If you make a function within another page. You can call it using the include function.

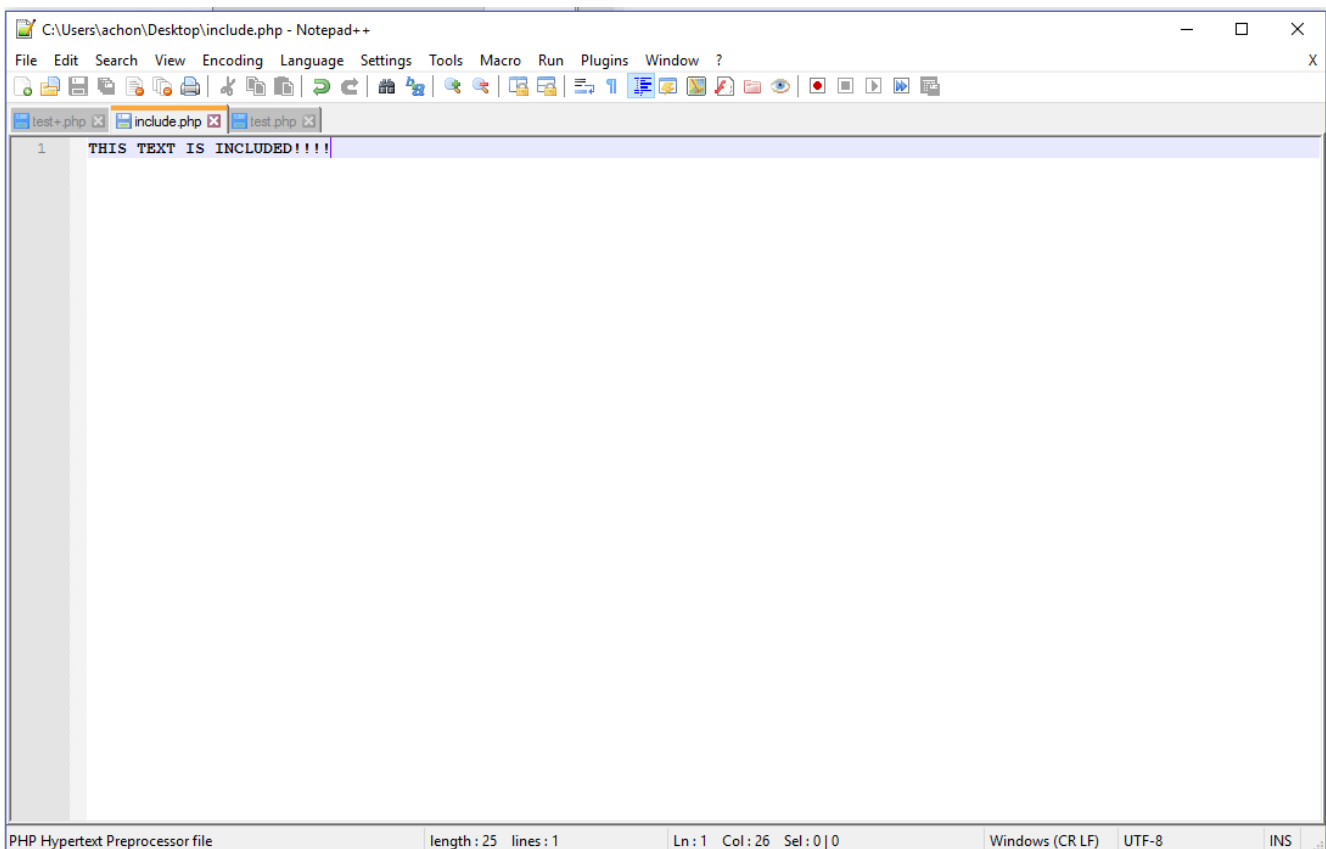
Deliverable :



A screenshot of a Notepad++ window titled "C:\Users\achon\Desktop\test.php - Notepad++". The window shows a PHP script with the following code:

```
1 <?PHP
2
3 print "Hello World<br>";
4
5 include ('include.php');
6
7 ?>
```

The status bar at the bottom indicates "PHP Hypertext Preprocessor file", "length : 68 lines : 7", "Ln : 7 Col : 3 Sel : 0 | 0", "Windows (CR LF)", "UTF-8", and "INS".



A screenshot of a Notepad++ window titled "C:\Users\achon\Desktop\include.php - Notepad++". The window shows a single line of text:

```
1 THIS TEXT IS INCLUDED!!!
```

The status bar at the bottom indicates "PHP Hypertext Preprocessor file", "length : 25 lines : 1", "Ln : 1 Col : 26 Sel : 0 | 0", "Windows (CR LF)", "UTF-8", and "INS".

Hello World
THIS TEXT IS INCLUDED!!!!

PHP Programming

Part 4

Variables in Print in PHP Programming

1. What are the three types of PHP variables that Eli discusses?

Numbers, Strings, and Arrays

2. What naming rules apply to PHP variables?

It should start with a \$ with a letter or underscore. PHP is also case sensitive

3. Compare and contrast the html `
` tag in HTML and the `\n` in PHP.

`
` is only going to read by the browser in its HTML. While the `\n` is read in the source code

PHP Programming Part 5

HTML Forms and PHP Programming

1. What does it mean when Eli says that HTML creates static pages while PHP creates dynamic pages?

HTML is simply the static webpage in your browser, and is hard coded. While PHP can take information into forms and put it into databases. PHP makes it when you login in your browser and shows your name.

2. In this exercise, you will use an HTML Textbox, an Option Box, and a Radio Button. What function does each of these input methods provide?

An HTML Textbox allows the user to input text. The option box only allows the user to choose from a list. The Radio Button allows the user to also choose from a list except the choices are visible on the webpage.

PHP Programming Part 6

Printing to Files with PHP

1. In this example, you use the PHP `file_put_contents()` function. Briefly describe this function.
Hint: Consult W3Schools or the PHP manual.

This function writes a string to a file.

2. What is a CSV file? Why would you want to use one?

A CSV is a Comma Separated Values file. It is the standard way of storing data.