

PHP Programming Part 1: Introduction to PHP Programming

1. How does Eli describe PHP?

PHP is the programming language that makes a website useful. Allows user to interact with data and dynamically write webpages.

2. Briefly compare and contrast scripted and compiled languages.

Compiled languages use software that when the code is written, it outputs an executable file.

After that, the executable file cannot be edited. Scripted languages you upload a text file to a server and then the user can access the file and the software will then process the information and deliver it to the user. You can always use and read a text file where the PHP written at.

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

On server side scripting all the process is made at the web server and then output the HTML to the user. On client side the user access the server but all the information gets sent to the user's computer, where all the passwords and info of all the users are.

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.com. Craigslist is exceedingly powerful/effective but it's not pretty.

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

You're always using the text file and you can always read the source file.

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

A text editor like notepad that contains a few additional features for writing code.

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

Notepad and a server that has PHP installed.

8. How does Eli describe syntax?

How you spell the commands you are using.

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: // or #

Multi line: /* */

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

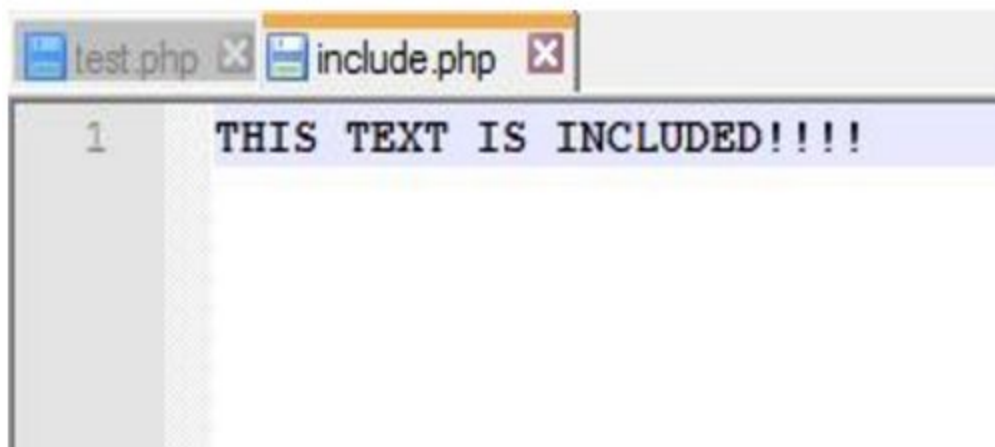
Grabs information from another file and includes it in the current file. This is useful because you don't have to rewrite the information.



The screenshot shows a code editor with two tabs: 'test.php' and 'include.php'. The 'test.php' tab is active, displaying the following PHP code:

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

A red bracket on the left side of the code editor highlights the entire PHP block from line 1 to line 7.



The screenshot shows the same code editor with the 'include.php' tab now active. The code in this tab is:

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

The output of the PHP script is displayed in the editor window, showing the text 'THIS TEXT IS INCLUDED!!!!' on line 1.

PHP Programming Part 4: Variables in Print in PHP Programming

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

Strings, integers, and arrays

2. What naming rules apply to PHP variables?

Must start with `â€œ$â€` and then with either a letter or underscore. Capitalization matters, PHP is case sensitive.

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

When the `â€œ<br>â€` tag is used, the break will be seen in the html web browser. When `â€œ\nâ€` is used, the break will only be seen in the text source code; not the html browser.

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 creates the form and all of its objects. If we are going to do anything with the form, we are going to pass it to PHP. PHP writes the information to file or takes information and does something with it.

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?

Textbox allows users to enter text strings up to the "size" attribute, Option boxes allow a user to select from a predefined list. If setup correctly the user can utilize the CTRL key to select multiple choices. Radio buttons allow a user to select one choice from a predefined list. The label attribute can be used to make selection more user friendly by allowing the text to be clicked to activate the selection.

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 the information, that was given, to a file.

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

Comma separated value file is a spreadsheet format. Can be opened with any spreadsheet program and then be saved as an excel file to be emailed.