

Course Code: **CSC 3222** Course Title: WEB TECHNOLOGIES

Dept. of Computer Science Faculty of Science and Technology

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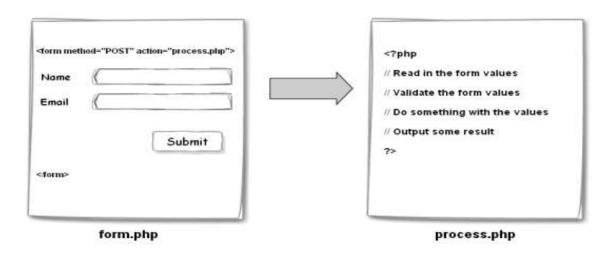


- 1. Learning outcome
- 2. Data Access using PHP
 - I. Data Read / Write in text file
 - II. PHP SimpleXML Read /write in xml File
- 3. PHP Include Files
- 4. Upload File in PHP
- 5. Books and References

Learning outcome



- In this lecture, we will learn "read the form data and write to the files".
- In between, we will assign data to the class variable(object) or Array.





Data Read / Write in text file

- The readfile() function reads a file and writes it to the output buffer.
- <?php
 echo readfile("webdictionary.txt");
 ?>
- In the webdictionary.txt file have the following content:

```
AJAX = Asynchronous JavaScript and XML
CSS = Cascading Style Sheets
HTML = Hyper Text Markup Language
PHP = PHP Hypertext Preprocessor
```



Data Read / Write in text file

- A better method to open files is with the fopen() function.
 This function gives you more options than the readfile() function.
- * <?php
 \$myfile = fopen("webdictionary.txt", "r") or die("Unable
 to open file!");
 echo fread(\$myfile,filesize("webdictionary.txt"));
 fclose(\$myfile);
 ?>
- "r" means Open a file for read only. File pointer starts at the beginning of the file.
- "w" Open a file for write only. Erases the contents of the file or creates a new file if it doesn't exist. File pointer starts at the beginning of the file



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- "w" Open a file for write only. Erases the contents of the file or creates a new file if it doesn't exist. File pointer starts at the beginning of the file.
- "a" Open a file for write only. The existing data in file is preserved. File pointer starts at the end of the file. Creates a new file if the file doesn't exist



PHP Write to File - fwrite()

- The fwrite() function is used to write to a file.
- The first parameter of fwrite() contains the name of the file to write to and the second parameter is the string to be written.

```
<?php
$myfile = fopen("newfile.txt", "w") or die("Unable to open
file!");
$txt = "John Doe\n";
fwrite($myfile, $txt);
$txt = "Jane Doe\n";
fwrite($myfile, $txt);
fclose($myfile, $txt);
?>
```



PHP SimpleXML - Read /write in xml File

 Assume we have an XML file called "note.xml", that looks like this:

• simplexml_load_file() function to read XML data from file:

```
<?php
$xml=simplexml_load_file("note.xml") or die("Error: Cannot create
object");
print_r($xml);
?>
```



Creating a XML Document

- The following code above is great and generates XML.
- The file_put_contents() function create a separate XML file called books.xml.

```
<?php
$simplexml= new SimpleXMLElement('<?xml
version="1.0"?><books/>');
$book1= $simplexml->addChild('book');
$book1->addChild("Booktitle", "The Wandering Oz");
$book1->addChild("PublicationDate", 2007);
$book2= $simplexml->addChild('book');
$book2->addChild("Booktitle", "The Roaming Fox");
$book2->addChild("Booktitle", "The Roaming Fox");
$book2->addChild("PublicationDate", 2009);
file_put_contents('books.xml', $simplexml->asXML());
}>
```

PHP Include Files



- The include (or require) statement takes all the text/ code/markup that exists in the specified file and copies it into the file that uses the include statement.
 - Including files is very useful when you want to include the same PHP, HTML, or text on multiple pages of a website.
 - It is possible to insert the content of one PHP file into another PHP file (before the server executes it), with the include or require statement.
- The include and require statements are identical, except upon failure:
 - require will produce a fatal error (E_COMPILE_ERROR) and stop the script.
 - include will only produce a warning (E_WARNING) and the script will continue.



Include Example

 Assume we have a standard footer file called "footer.php", that looks like this:

```
<?php
echo "<p>Copyright &copy; 1999-" . date("Y") . " W3Schools.com";
?>
```

To include the footer file in a page, use the include statement:

```
<html>
<body>
<h1>Welcome to my home page!</h1>
Some text.
Some more text.
<?php include 'footer.php';?>
</body>
</html>
```

Upload File in PHP



- Before upload file in the server ensure that PHP is configured to allow file uploads and configure the "php.ini"
- In "php.ini" file, search for the file_uploads, if the file_uploads is directive, and set it to On: file_uploads = On
- Create The HTML Form as following and the form needs the following attribute: enctype="multipart/form-data".



upload.php

The complete "upload.php" file now looks like this:

```
<?php
$target dir = "uploads/";
$target file = $target dir .
basename($_FILES["fileToUpload"]["name"]);
//If you want to check file size, file already exists or Allow
certain file formats, you can do that. We will see in the Lab
class.
if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"],
$target_file)) {
        echo "The file ".
basename( $_FILES["fileToUpload"]["name"]). " has been
uploaded.";
    } else {
        echo "Sorry, there was an error uploading your file.";
```

Books



- W3Schools Online Web Tutorials; URL: http://www.w3schools.com
- PHP Documentation; URL: http://www.php.net/docs.php
- Sams Teach Yourself Ajax JavaScript and PHP All in One; Phil Ballard and Michael Moncur; Sams Publishing; 2010
- JavaScript Phrasebook; Christian Wenz; Sams Publishing; 2007
- PHP and MySQL Web Development, 4/E; Luke Welling and Laura Thomson; Addison-Wesley Professional; 2009
- JavaScript for Programmers Paul J. Deitel and Harvey M. Deitel; Prentice Hall; 2009
- Beginning PHP5, Apache, and MySQL Web Development; Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz and Michael K. Glass; Wiley Publishing; 2005
- XML in a Nutshell, 3/E; Elliotte Rusty Harold and W. Scott Means;
 O'Reilly Media; 2004

References



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- 2. https://gist.github.com/recked/7329961
- 3. https://www.kodingmadesimple.com/2016/05/how-to-write-json-to-file-in-php.html
- 4. https://code.tutsplus.com/tutorials/how-to-upload-a-file-in-php-with-example--cms-31763