

L#11~12: PHP Files & Directories

Files & Directories in PHP

Lecture 11 ~ 12

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Using Folders: Creating

- **By using:**

- `mkdir($path_with_dir_name);`

- **Ex: Create a directory inside the folder C://phpTest. Its name will be "first".**

```
mkdir("C://phpTest/first");
```

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Using Folders: Opening

- **By using:**

- `resource opendir($path_with_dir_name);`

- **Ex:**

- `$directory = opendir("C://phpTest/first");`

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Using Folders: Reading

- **By using:**

- `resource readdir($openDirResource);`

- It will return a file resource at a time or NULL if there is no more content.

Thus, if we need to read all directory content, we must use a loop.

Using Folders: Reading cont.

- **Ex.**

```
$curFile = readdir($directory);  
while(!($curFile === false))  
{ echo $curFile;  
  $curFile = readdir($directory);  
}
```

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Using Folders: Renaming

- **By using:**

```
rename($oldPathWithName, $newPathWithName);
```

- **Ex:**

```
$oldName = "C://phpTest/first";  
$newName = "C://phpText/dirFirst";  
rename($oldName, $newName);
```

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Using Folders: Removing

- **By using:**

```
rmdir($PathWithName);
```

- **Ex:**

```
rmdir("C://phpTest/dirFirst");
```

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Using Files: Creating & Opening

■ By using:

```
resource fopen($path, $mode);  
$mode = "r"           reading  
"r+", "w+"           reading & writing  
"w"                  writing  
"a"                  append (write)  
"a+"                 append (write/read)  
"x"                  create for write  
"x+"                 create for both
```

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Using Files: Writing to File

■ By using:

```
fwrite(resource $fh, string $t,  
int length)
```

It will writes to the opened file `$fh` the string in `$t`

`length` is optional

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Using Files: Reading from File

- `array file(string $path)`

It will turn every line in the file into an element in the result array.

Hint: To know the number of lines in a file just count the elements in the result array

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Using Files: Renaming

- **By using:**

```
rename($oldPathWithName, $newPathWithName);
```

Same as renaming folders

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Using Files: Removing

- **By using:**

```
unlink($PathWithName);
```

- **Ex:**

```
unlink("C://phpTest/dirFirst/text.txt");
```

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Checking if File or Folder

- **bool is_dir(string \$filename)**

It will return true if the \$filename is directory

Otherwise, It returns false

- **bool is_file(string \$filename)**

It will return true if the \$filename is file

Otherwise, It returns false

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Uploading Files

■ Building Uploading Form:

- You must use the form attribute:
`enctype="multipart/form-data"`
- The form method must be `post`
- Use hidden input to store the max size of uploaded file
- Use file input
- The hidden input must be before the file input

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Uploading Files cont.

■ Building Uploading Form Example:

```
<form enctype="multipart/form-  
data" action="upload_file.php"  
method="post" >  
<input type="hidden"  
name="FILE_MAX_SIZE"  
value="51200">
```

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Uploading Files cont

■ Developing Uploading Script:

- The uploaded file will be stored in `$_FILES["xxx"]` where xxx is the name provided for the file input.
- Check if that element is set by using `isset()`
- Each file entry is an array contains the following:
 - `["name"]` The original name for the file
 - `["temp_name"]` Temporary location where the file is uploaded on the server
 - `["size"]` the file size
 - `["type"]` the file type
 - `["error"]` the error code if any

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Uploading Files cont.

■ Developing Uploading Script:

- To move the file from its temporary location to the desired one, we will use

```
move_uploaded_file(
    $_FILES["xxx"]["temp_name"],
    $newLoc . $_FILES["xxx"]["name"]);
```

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Uploading Files cont.

■ Developing Uploading Script Example:

```
<?php
    if(isset($_FILES["file1"]))
    {
        if(is_uploaded_file($_FILES["file1"]
            ["temp_name"]))
```

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```
{
```

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