

## Lesson: 08(File Upload, Cooke, Session & Exception)

### Date

The PHP date() function is used to format a time and/or date.

**Syntax:**

date(format,timestamp)

**Format the Date:** The required format parameter in the date() function specifies how to format the date/time.

- d - Represents the day of the month (01 to 31)
- m - Represents a month (01 to 12)
- Y - Represents a year (in four digits)

**Note: Example One**

**Adding a Timestamp:** The optional timestamp parameter in the date() function specifies a timestamp. If you do not specify a timestamp, the current date and time will be used.

**Syntax for mktime():**

mktime(hour,minute,second,month,day,year,is\_dst)

**Note: Example Two**

### Include

**Server Side Includes (SSI):** You can insert the content of one PHP file into another PHP file before the server executes it, with the include() or require() function.

The two functions are identical in every way, except how they handle errors:

- include() generates a warning, but the script will continue execution
- require() generates a fatal error, and the script will stop

These two functions are used to create functions, headers, footers, or elements that will be reused on multiple pages.

**include() Function:** The include() function takes all the content in a specified file and includes it in the current file. If an error occurs, the include() function generates a warning, but the script will continue execution.

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***require()* Function:** The require() function is identical to include(), except that it handles errors differently. If an error occurs, the include() function generates a warning, but the script will continue execution. The require() generates a fatal error, and the script will stop.

***Note: Example Three***

### File

The fopen() function is used to open files in PHP and fclose() function is used to close an open file.

The feof() function checks if the "end-of-file" (EOF) has been reached. The feof() function is useful for looping through data of unknown length.

The fgetc() function is used to read a single character from a file.

The file may be opened in one of the following modes:

| Modes | Description  |
|-------|--|
| r     | Read only. Starts at the beginning of the file   |
| r+    | Read/Write. Starts at the beginning of the file  |
| w     | Write only. Opens and clears the contents of file; or creates a new file if it doesn't exist |
| w+    | Read/Write. Opens and clears the contents of file; or creates a new file if it doesn't exist |
| a     | Append. Opens and writes to the end of the file or creates a new file if it doesn't exist    |
| a+    | Read/Append. Preserves file content by writing to the end of the file                        |
| x     | Write only. Creates a new file. Returns FALSE and an error if file already exists            |
| x+    | Read/Write. Creates a new file. Returns FALSE and an error if file already exists            |

If the fopen() function is unable to open the specified file, it returns 0 (false).

***Note: Example Four***

### File Upload

With PHP, it is possible to upload files to the server.

***Note: Example Five***

### Cookies

A cookie is often used to identify a user. A cookie is a small file that the server embeds on the user's computer.

***Create a Cookie:*** The setcookie() function is used to set a cookie.

## *Syntax:*

```
setcookie(name, value, expire, path, domain);

<?php
    setcookie("user", "Alex Porter", time()+3600);
?>
```

**Retrieve a Cookie Value:** The PHP \$\_COOKIE variable is used to retrieve a cookie value.

```
<?php
echo $_COOKIE["user"];
print_r($_COOKIE);
?>
```

## *Delete a Cookie:*

```
<?php
    setcookie("user", "", time()-3600);
?>
```

## *Note: Example Six*

### Sessions

A PHP session variable is used to store information about, or change settings for a user session. Session variables hold information about one single user, and are available to all pages in one application.

Sessions work by creating a unique id (UID) for each visitor and store variables based on this UID. The UID is either stored in a cookie or is propagated in the URL.

## *Starting a PHP Session:*

```
<?php
    session_start();
?>
```

## *Destroying a Session:*

```
<?php
    session_destroy();
?>
```

*Note: Example session1.php & session2.php*

## Error

The default error handling in PHP is very simple. An error message with filename, line number and a message describing the error is sent to the browser.

Error handling methods:

- *Simple "die()" statements*

```
<?php
    if(!file_exists("welcome.txt"))
    {
        die("File not found");
    }
    else
    {
        $file=fopen("welcome.txt","r");
    }
?>
```

- *Custom errors and error triggers*

*Syntax:*

error\_function(error\_level,error\_message,error\_file,error\_line,error\_context)

- *Error reporting*

```
<?php
    $test=2;
    if ($test>1)
    {
        trigger_error("Value must be 1 or below");
    }
?>
```

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|   |   |
|---|---|
| <b>&lt;!--Example One--&gt;</b>   | <b>&lt;!--Example Two--&gt;</b>   |
| <pre> &lt;html&gt; &lt;/head&gt; &lt;body&gt; &lt;?php echo date("Y/m/d") . "&lt;br /&gt;"; echo date("Y.m.d") . "&lt;br /&gt;"; echo date("Y-m-d") ?&gt; &lt;/body&gt; &lt;/html&gt; </pre>  | <pre> &lt;html&gt; &lt;/head&gt; &lt;body&gt; &lt;?php \$tomorrow = mktime(0,0,0,date("m"),date("d")+1,date("Y")); echo "Tomorrow is ".date("Y/m/d", \$tomorrow); ?&gt; &lt;/body&gt; &lt;/html&gt; </pre>                              |
| <b>menu.php</b>   | <b>&lt;!--Example Three--&gt;</b>   |
| <pre> &lt;html&gt; &lt;/head&gt; &lt;body&gt; &lt;a href="/default.php"&gt;Home&lt;/a&gt; &lt;a href="/tutorials.php"&gt;Tutorials&lt;/a&gt; &lt;a href="/references.php"&gt;References&lt;/a&gt; &lt;a href="/examples.php"&gt;Examples&lt;/a&gt; &lt;a href="/about.php"&gt;About Us&lt;/a&gt; &lt;a href="/contact.php"&gt;Contact Us&lt;/a&gt; &lt;/body&gt; &lt;/html&gt; </pre> | <pre> &lt;html&gt; &lt;body&gt; &lt;div class="leftmenu"&gt; &lt;?php include("menu.php"); ?&gt; &lt;/div&gt; &lt;h1&gt;Welcome to my home page.&lt;/h1&gt; &lt;p&gt;Some text.&lt;/p&gt; &lt;/body&gt; &lt;/html&gt; </pre>            |
| <b>welcome.txt</b>  | <b>&lt;!--Example Four--&gt;</b>  |
| Welcome   | <pre> &lt;html&gt; &lt;body&gt; &lt;?php \$file=fopen("welcome.txt","r") or exit("Unable to open file!"); while (!feof(\$file)) { echo fgetc(\$file); } fclose(\$file); ?&gt; &lt;/body&gt; &lt;/html&gt; </pre>                        |
| <b>upload_file.php</b>  | <b>&lt;!--Example Five--&gt;</b>  |
| <pre> &lt;?php if (\$_FILES["file"]["error"] &gt; 0) { echo "Error: " . \$_FILES["file"]["error"] . "&lt;br /&gt;"; } else </pre>   | <pre> &lt;html&gt; &lt;body&gt; &lt;form action="upload_file.php" method="post" enctype="multipart/form-data"&gt; &lt;label for="file"&gt;Filename:&lt;/label&gt; &lt;input type="file" name="file" id="file" /&gt; &lt;br /&gt; </pre> |

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|  |   |
|--|---|
| <pre>{ echo "Upload: " . \$_FILES["file"]["name"] . "&lt;br /&gt;"; echo "Type: " . \$_FILES["file"]["type"] . "&lt;br /&gt;"; echo "Size: " . (\$_FILES["file"]["size"] / 1024) . " Kb&lt;br /&gt;"; echo "Stored in: " . \$_FILES["file"]["tmp_name"]; } ?&gt;</pre>   | <pre>&lt;input type="submit" name="submit" value="Submit" /&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>   |
| <p style="text-align: center;"><b>&lt;!--Example Six --&gt;</b></p> <pre>&lt;html&gt; &lt;body&gt; &lt;?php if(isset(\$_COOKIE['AboutVisit'])) { \$last = \$_COOKIE['AboutVisit']; echo "Welcome back! &lt;br&gt; You last visited on ". \$last; } else { echo "Welcome to our site!"; } ?&gt; &lt;/body&gt; &lt;/html&gt;</pre> | <p style="text-align: center;"><b>session1.php</b></p> <pre>&lt;?php session_start(); ?&gt;  &lt;!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"&gt; &lt;html&gt; &lt;head&gt; &lt;meta http-equiv="content-type" content="text/html; charset=ISO-8859-1"&gt; &lt;title&gt;Stuff by tedd&lt;/title&gt; &lt;/head&gt;  &lt;body&gt;  &lt;h1&gt;tedd's session stuff (page 1)&lt;/h1&gt; &lt;hr&gt; &lt;h3&gt;PHPSESSID = &lt;?php echo session_id(); ?&gt;&lt;/h3&gt; &lt;hr&gt; &lt;h2&gt;Click the next page and see numbr of visits during this visit.&lt;/h2&gt; &lt;a href="session2.php?&lt;?php echo( SID ); ?&gt;"&gt;Next page&lt;/a&gt; &lt;/body&gt; &lt;/html&gt;</pre> |
| <p style="text-align: center;"><b>session2.php</b></p> <pre>&lt;?php session_start(); (\$_SESSION['count']) \$_SESSION['count']++ : \$_SESSION['count'] = 1; ?&gt;</pre>   |   |

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD
HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
<html>
<head>
  <meta          http-equiv="content-type"
content="text/html;charset=ISO-8859-1">
  <title>Stuff by tedd</title>
</head>

<body>
  <h1>tedd's session stuff (page 2)</h1>
  <hr>
  <h3>PHPSESSID    =    <?php    echo
session_id(); ?></h3>
  <hr>
  <h2>You have been here <?php echo(
$_SESSION['count'] ); ?> times in this
session.</h2>
  <a href="session1.php?<?php echo( SID );
?>">Previous page</a>
</body>
</html>
</html>
```