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# CS355: Web Technologies Lab

## Lab 6: PHP Date and Files

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Date: 17 April 2024

### 1. PHP Date and Time

date(format) is a function that get the system date.

- d - Represents the day of the month (01 to 31)
- m - Represents a month (01 to 12)
- Y - Represents a year (in four digits)
- l (lowercase 'l') - Represents the day of the week
- H - 24-hour format of an hour (00 to 23)
- h - 12-hour format of an hour with leading zeros (01 to 12)
- i - Minutes with leading zeros (00 to 59)
- s - Seconds with leading zeros (00 to 59)
- a - Lowercase Ante meridiem and Post meridiem (am or pm)

```
<?php
    echo "The Date is ". date('Y-m-d'). "<br>";
    $Hours = date('H');
    $ti = 24-$Hours;
    echo "There is " . $ti. " to midnight";
?>
```

### 2. include and required

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.

**Example:** Given that file linktext.php, and it contains the following code

```
<?php
echo '<a href= "https://www.google.com" >Home</a>';
?>
```

And that is the html file

```
<body>
    <?php
        include 'linktext.php';
        echo '<br><br>';
        require 'test.php';
    ?> </body>
```

### 3. PHP File Open/Read/Close

**1. Open File - fopen() :**

The first parameter of fopen() contains the name of the file to be opened. The second parameter specifies in which mode the file should be opened.

**2. Read File - fread() :**

The first parameter of fread() contains the name of the file to read from and the second parameter specifies the maximum number of bytes to read.

**3. Close File - fclose() :**

The fclose() function is used to close an open file.

**4. Read Single Line - fgets()**

Used to read a single line from a file.

**5. Check End-Of-File - feof()**

Checks if the "end-of-file" (EOF) has been reached. It is useful for looping through data of unknown length.

**6. Read Single Character- fgetc ()**

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

**Example:**

```
<?php

$myfile = fopen("webdictionary.txt", "r") or die("Unable to open file!");
echo fread($myfile,filesize( "webdictionary.txt" ));

// Output one line until end-of-file
while(!feof($myfile)) {
    echo fgets($myfile) . "<br>" ;
    echo fgetc($myfile) . "<br>" ;
}

fclose($myfile);

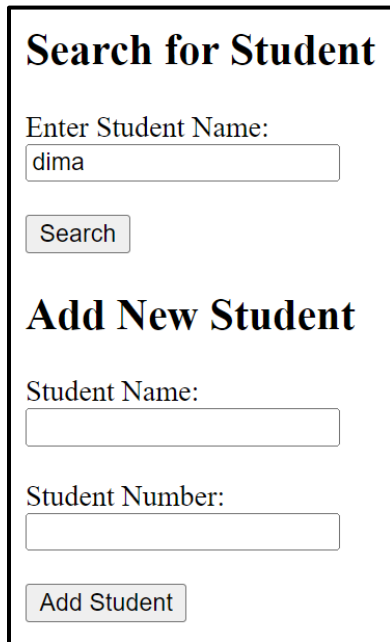
?>
```

#### 4.Task

Create a web page that contains:

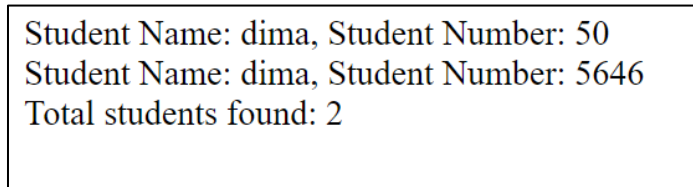
- A text file "of type txt" and the data is organized as: **name, number**
- HTML file that has 2 forms; one for searching for students by name, and the other one for adding students to the file
- 2 PHP files, to search and write to the text file.

As you see in the below screenshot:



The screenshot shows a web page with two main sections. The first section, titled "Search for Student", contains a label "Enter Student Name:", a text input field with the value "dima", and a "Search" button. The second section, titled "Add New Student", contains a label "Student Name:", an empty text input field, a label "Student Number:", another empty text input field, and an "Add Student" button.

Figure 1: Page 1



The screenshot shows a web page with three lines of text: "Student Name: dima, Student Number: 50", "Student Name: dima, Student Number: 5646", and "Total students found: 2".

Figure 2: Page 2