WEB PROGRAMMING AND APPLICATIONS

(503073)

WEEK 7

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Exercise 1: Use PHP to print out a table like this.

1	Sinh viên 1
2	Sinh viên 2
3	Sinh viên 3
4	Sinh viên 4
5	Sinh viên 5
6	Sinh viên 6
7	Sinh viên 7
8	Sinh viên 8
9	Sinh viên 9
10	Sinh viên 10

Normal

1	Sinh viên 1
2	Sinh viên 2
3	Sinh viên 3
4	Sinh viên 4
5	Sinh viên 5
6	Sinh viên 6
7	Sinh viên 7
8	Sinh viên 8
9	Sinh viên 9
10	Sinh viên 10

When mouse over the 2nd row

Please see the **ex1-template.html** file and follow the instructions inside.

To do exercise 1, you need to follow these steps:

1. Create 3 different classes with 6 different styles (hover and normal).

2. Use the php loop to print out table rows (<tr>), each of which has one of the three classes.
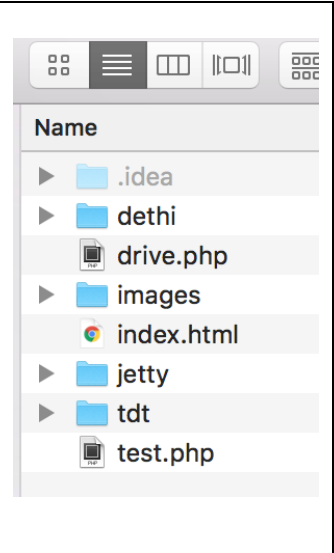
Exercise 2: Here are common php functions to work with files and folders.

scandir(): Load all files and sub folders of a given folder:

```php
$root = $_SERVER['DOCUMENT_ROOT'];
$files = scandir($root);

for ($i = 0; $i < count($files); $i++){
    echo $files[$i] . '<br>';
}
```

```
.
..
.DS_Store
.idea
dethi
drive.php
images
index.html
jetty
tdt
test.php
```

Name
- .idea
- dethi
- drive.php
- images
- index.html
- jetty
- tdt
- test.php

is_dir(): Check if an item is a file or directory:

```php
echo '<b>' . $files[$i] . '</b>';

if (is_dir($files[$i])) {
    echo ' – Directory' . '<br>';
}else {
    echo ' – File' . '<br>';
}
```

. - Directory
.. - Directory
.DS_Store - File
.idea - Directory
dethi - Directory
drive.php - File
images - Directory
index.html - File
jetty - Directory
tdt - Directory
test.php - File

file_size(): Get size of a file in bytes:

```php
for ($i = 0; $i < count($files); $i++){

    echo '<tr>';

    $f = $files[$i];
    echo "<td>$f</td>";

    if (is_dir($f))
        echo "<td> – </td>";
    else
        echo "<td>" . filesize($f) . " KB</td>";

    echo '<tr>';

}
```

.DS_Store	10244 KB
.idea	-
dethi	-
drive.php	3106 KB
images	-
index.html	666 KB
jetty	-
tdt	-
test.php	601 KB

mkdir(): Create a new folder.

unlink(): Delete a file.

delete(): Delete a folder

HOW TO UPLOAD FILE IN PHP

1. Create upload form:

```html
<form action="upload.php" method="post" enctype="multipart/form-data">
    Select image to upload:
    <input type="file" name="fileToUpload" id="fileToUpload">
    <input type="submit" value="Upload Image" name="submit">
</form>
```

The following parts are mandatory:

- name="fileToUpload"
- enctype="multipart/form-data"
- type="file"
- name="fileToUpload"

2. PHP Upload Script:

```php
<?php
    $target_dir = "uploads/";
    $target_file = $target_dir .
            basename($_FILES["fileToUpload"]["name"]);

    $uploadOk = 1;
    $imageFileType = pathinfo($target_file,PATHINFO_EXTENSION);

    // Check if image file is a actual image or fake image

    if(isset($_POST["submit"])) {

        $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);

        if($check !== false) {

            echo "File is an image - " . $check["mime"] . ".";
            $uploadOk = 1;

        } else {

            echo "File is not an image.";

            $uploadOk = 0;
        }
```

```php
    }
?>
```

Check if file already exists:

```php
// Check if file already exists
if (file_exists($target_file)) {
    echo "Sorry, file already exists.";
    $uploadOk = 0;
}
```

Limit file size:

```php
 // Check file size
if ($_FILES["fileToUpload"]["size"] > 500000) {
    echo "Sorry, your file is too large.";
    $uploadOk = 0;
}
```

Limit file type:

```php
// Allow certain file formats
if($imageFileType != "jpg" && $imageFileType != "png" &&
$imageFileType != "jpeg"
&& $imageFileType != "gif" ) {
    echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
    $uploadOk = 0;
}
```