Lecture 10

Loops and Conditionals
Generating Email,
Reading files.

* Course logo spider web photograph from Morguefile openstock photograph by Gabor Karpati, Hungary.
Loops & Conditionals

- foreach, for, if/elseif/else, while, do...while, switch
- Same syntax as in Java and C
- foreach is for looping through arrays completely
- Case switching with switch() can be more effective than if/elseif/else nesting
PHP Example 05

Don’t write this by hand.

That ... That ... That’s all Folks ...
```php
<?php
$c = 0;
for ($j = 1; $j <= 8; $j++) {
    for ($i = 1; $i <= 8; $i++) {
        $c++;
        $xc = ((i*50)-25)."px";
        $yc = (($j*50)+70)."px";
        if (((i + j) % 2) == 0) {
            echo "<div class="squareWhite" style="top:$yc;left:$xc">";
        }
        else {
            echo "<div class="squareBrown" style="top:$yc;left:$xc">";
        }
    }
}
echo "$c";
echo "</div>";
echo "\n";
}```
PHP Example 06

CT 310 PHP Example 06

Send An Email

The Form

Enter the information below to send to the CT310 instructor.

Name: George Tirebiter
Subject: Radial Distress
Tires today just don’t taste as good!

Send

That ... That ... That's all Folks ...
<!-- Start of page Body -->
<body>
  <div class="header">
    <h2>CT 310 PHP Example 06</h2>
  </div>
  <div class="contents">
    <h2 align="center">Send An Email</h2>
    <h3>The Form</h3>
    <p>Enter the information below to send to the CT310 instructor.</p>

    <form method="post" action="ct310phpex06.php">
      Name       <input type="text" name="name" size="30"><br/>
      Subject   <input type="text" name="subject" size="30"><br/>
      <textarea name="content" rows="5" cols="40">
      Your comment here.</textarea><br/>
      <input type="hidden" value="done" name="op">
      <input type="submit" value="Send">
    </form>
  </div>
</body>
PHP Example 06

CT 310 PHP Example 06

Send An Email

The Form

Enter the information below to send to the CT310 instructor.

George Tirebiter, your comment:

Tires today just don't taste as good!

is intriguing, it has been sent.

That ... That ... That's all Folks ...
Remember, html is being created by PHP!
First things second ... if “op” is not set.

```php
else {
    echo "<form method="post" action="ct310phpex06.php">\n";

    Name <input type="text" name="name" size="30"><br/>
    Subject <input type="text" name="subject" size="30"><br/>
    <textarea name="content" rows="5" cols="40">Your comment here.</textarea><br/>
    <input type="hidden" value="done" name="op">
    <input type="submit" value="Send">

    </form>

<?php
}

echo "<br><br>";
?>
```
Second things first ... if “op” is set.

```php
<?php
if (isset($_POST['op'])) {
    $name = $_POST['name'];
    $subject = $_POST['subject'];
    $content = $_POST['content'];

    error_reporting(0);
    if(mail('ross@cs.colostate.edu', $subject, $content)) {
        echo "<p>$name, your comment:</p>
        echo "<blockquote> $content </blockquote>
        echo "is intriguing, it has been sent.";
    }
    else {
        echo "<p>$name, there was an error trying to send your comment.</p>"
    }
}
else {
```
Yes, it did send email.

From: Apache <apache@CS.ColoState.EDU>
Subject: Radial Distress
Date: February 28, 2008 10:25:03 AM MST
To: Ross Beveridge

Tires today just don't taste as good!
File I/O – Very Simple

CT 310 PHP Example 07

More Stuff

CT 310 PHP Example 07

More Stuff More Stuff

CT 310 PHP Example 07

More Stuff More Stuff More Stuff

What to say when the music is over ...
Updated after lecture to better handle creation of a new text file (Ross 2/11/2016)

```php
$fname = "ct310phpex07.txt";
if (! file_exists ( $fname )) {
    touch ( $fname );
}

$filein = fopen ( $fname, 'r' );
$n = filesize ( $fname );
$contents = ($n == 0) ? 'New File' : fread ( $filein, $n );
fclose ( $filein );
echo $contents;
if (strlen ( $contents ) > 80) {
    $contents = '';
}

$fileout = fopen ( $fname, 'w' );
fwrite ( $fileout, $contents . "\nMore Stuff" );
fclose ( $fileout );
```