

HTML/PHP - Lecture 7

COEN 10

PHP Conditional Statements

★A program may need to perform different actions depending on

- ◎a condition or
- ◎a combination of conditions.

PHP Conditional Statements

★In PHP we have the following conditional statements:

- ◎if
 - ✧execute following statement(s) only if the specified condition is true
- ◎if...else
 - ✧execute following statements only if the specified condition is true; otherwise execute the alternative statement(s)
- ◎if...elseif...else
 - ✧select one of several options
- ◎switch
 - ✧select one of several options

PHP Conditional Statements

★if

◎To execute some code only if a specified condition is true

★Syntax

if (condition)

 code to be executed if condition is true;
tab

PHP Conditional Statements

★Example

```
<?php
$d=date("D");
if ($d=="Fri") echo "TGIF!";
?>
```

↑ can be on the same line

Output
TGIF!
if the current day is Friday:

PHP Conditional Statements

★Note on function date

◎date ("D");

✧Returns a string with the first 3 letters of the day of the week

◎More info on date

✧<http://us2.php.net/manual/en/function.date.php>

PHP Conditional Statements

★if...else

◎To execute some code if a condition is true and another code if a condition is false.

★Syntax

if (condition)

— <code to be executed if condition is true>;

else

— <code to be executed if condition is false>;

PHP Conditional Statements

★Example

```
<?php
$d=date("D");
if ($d=="Fri")
    echo "TGIF!";
else
    echo "Not Friday yet...";
?>
```

Output "TGIF!" if the current day is Friday
Otherwise output "Not Friday yet...":

PHP Conditional Statements

★ Enclose statements with curly braces, if more than one statement need to be executed

```
<?php
$d=date("D");
if ($d=="Fri")
{
    echo "TGIF!<br />";
    echo "But I have homework... ";
    echo "Oh well...";
}
?>
```

if the statement is not true,
it will jump directly to the
end

there is no ; here
; means thing: if statements in () is true, it
will output ; and then go to the next line; if
the statement in () is not true, nothing happens
and go to the next line

PHP Conditional Statements

★ if...elseif....else Statement

◎ To select one of several blocks of code to be executed

★ Syntax

```
if (condition1)
    <code to be executed if condition1 is true>;
elseif (condition2)
    <code to be executed if condition2 is true>;
else
    <code to be executed if all conditions are false>;
```

PHP Conditional Statements

★ Example

◎ The following example will output

- ✧ "TGIF!" if the current day is Friday,
- ✧ "Oh no, Monday already?... " if the current day is Monday.
- ✧ "Not Friday yet... " otherwise.

```
<html>
<body>

<?php
    $d=date("D");
    if ($d=="Fri")
        echo "TGIF!";
    elseif ($d=="Mon")
        echo "Oh no, Monday already?...";
    else
        echo "Not Friday yet...";
?>

</body>
</html>
```

PHP Conditional Statements

★ switch

◎ To select one of many blocks of code to be executed.

★ Syntax

```
switch ($n)
{
    case label1:
        code to be executed if $n=label1;
        break;
    case label2:
        code to be executed if $n=label2;
        break;
    default:
        code to be executed if $n is different from both label1
        and label2;
}
```

break means "that's all i need to do"

```
<?php
switch ($x)
{
    case 1:
        echo "Number 1";
        break;
    case 2:
        echo "Number 2";
        break;
    case 3:
        echo "Number 3";
        break;
    default:
        echo "Not a number between 1 and 3";
}
?>
```

You can also combine the conditions using ||

```
if ($n == 0 || $n == 1)
    echo "0 or 1";
if ($n == 2 || $n == 3)
    echo "2 or 3";
else
    echo "none";
```

```
switch ($n)
{
    case 0:
    case 1:
        echo "0 or 1";
        break;
    case 2:
    case 3:
        echo "2 or 3";
        break;
    default:
        echo "none";
}
```