

## 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!";
?

```

**Output**  
TGIF!  
if the current day is Friday:

can be on the same  
line

## 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

### ★ 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; break means "that's all i need to do"
    case label2:
        code to be executed if $n=label2;
        break;
    default:
        code to be executed if $n is different from both label1
        and label2;
}
```

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

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