PHP Tutorial
Scripting block

- `<?php`

  you PHP code here

- `?>`
First example

```html
<html>
<body>
<?php
   echo "Hello World";

   /*
    * I’m comment
    */

?>
</body>
</html>
```
Variable in PHP

- start with a $ sign symbol
- Loosely Typed Language
  - does not need to be declared
  - start with a letter or an underscore "_"
  - alpha-numeric characters and underscores (a-Z, 0-9, and _ )
  - not contain spaces
String

- $txt="Hello World";
- concatenation operator (.)

```php
<?php
$txt1="Hello World";
$txt2="1234";
echo $txt1 . " " . $txt2;
?>
```
Operators

- **Arithmetic**
  - +, -, *, /, %, ++, --

- **Assignment**
  - =, +=, -=, *=, /=, .=, %=  

- **Comparison**
  - ==, !=, >, <, >=, <=

- **Logical**
  - &&, ||, !
A useful resource

if...else

- if (condition)
  - code to be executed if condition is true;
- elseif (condition)
  - code to be executed if condition is true;
- else
  - code to be executed if condition is false;
example of if-else

<html>
<body>

<?php
$d=date("D");
if ($d=="Fri")
    echo "Have a nice weekend!";
elseif ($d=="Sun")
    echo "Have a nice Sunday!";  
else
    echo "Have a nice day!";
?>

</body>
</html>
<?php
switch ($x)
{
    case 1:
    
        echo "Number 1";

        break;

    case 2:

        echo "Number 2";

        break;

    case 3:

        echo "Number 3";

        break;

    default:

        echo "No number between 1 and 3";

}
?>
Arrays

- $names = array("Peter","Quagmire","Joe");
- $names[0] = "Peter";
- $names[1] = "Quagmire";
- $names[2] = "Joe";
Associative Arrays

$ages = array("Peter"=>32, "Quagmire"=>30, "Joe"=>34);

$ages['Peter'] = "32";
$ages['Quagmire'] = "30";
$ages['Joe'] = "34";

Example

```php
<?php
    $ages['Peter'] = "32";
    $ages['Quagmire'] = "30";
    $ages['Joe'] = "34";

    echo "Peter is " . $ages['Peter'] . " years old.";
?>
```
Looping ~ while

- `<html>
  
  <body>

  `<php
    
    $i=1;
    while($i<=5) {
      echo "The number is " . $i . "<br />";
      $i++;}

  `>

  `</body>
  
  `</html>`
Looping ~ for

- for (init; cond; incr)
  { code to be executed; }

- Example
  
  ```php
  <html>
  <body>

  <?php
  for ($i=1; $i<=5; $i++)
  {
    echo "Hello World!<br />";
  }
  ?>

  </body>
  </html>
  ```
functions

<html>
<body>

<?php

function writeMyName()
{
    echo "Kai Jim Refsnes";
}

echo "Hello world!<br />
My name is ";
writeMyName();
echo ".<br />That's right, ";
writeMyName();
echo " is my name.";
?>

</body>
</html>
How to handle GET

<html>
<body>
<form action="handle.php" method="GET">
Name: <input type="text" name="name" />
Age: <input type="text" name="age" />
<input type="submit" />
</form>

<?php
if($_GET["name"]){
    echo "Welcome ".$_GET["name"]."<br />
    echo "You are ".$_GET["age"]." years old.";
}
?>
</body>
</html>