

# PHP Tutorial

# Scripting block

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▶ <?php

you PHP code here

?>

# First example

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

    /*
    I'm comment
    */
  ?>
</body>
</html>
```

# Variable in PHP

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- ▶ 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

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

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

# Operators

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- ▶ **Arithmetic**

- ▶ `+, -, *, /, %, ++, --`

- ▶ **Assignment**

- ▶ `=, +=, -=, *=, /=, ., %=`

- ▶ **Comparison**

- ▶ `==, !=, >, <, >=, <=`

- ▶ **Logical**

- ▶ `&&, ||, !`

# A useful resource

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- ▶ <http://us2.php.net/manual/en/>

# if...else

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- ▶ **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>
```

# switch

---

```
<html>
<body>

<?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";
}
?>

</body>
</html>
```

---

# Arrays

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

# Associative Arrays

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- ▶ `$ages = array("Peter"=>32, "Quagmire"=>30, "Joe"=>34);`
- ▶ `$ages['Peter'] = "32";`  
`$ages['Quagmire'] = "30";`  
`$ages['Joe'] = "34";`
- ▶ Example
  - ▶ `<?php`
    - ▶ `$ages['Peter'] = "32";`
    - ▶ `$ages['Quagmire'] = "30";`
    - ▶ `$ages['Joe'] = "34";`
    - ▶ `echo "Peter is " . $ages['Peter'] . " years old.";`
  - ▶ `?>`

# Looping ~ while

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▶ <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

```
<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 />";
```

```
    echo "My name is ";
```

```
    writeMyName();
```

```
    echo "<br />That's right, ";
```

```
    writeMyName();
```

```
    echo " is my name.";
```

```
?>
```

```
</body>
```

```
</html>
```

# How to handle GET

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```
<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>
```