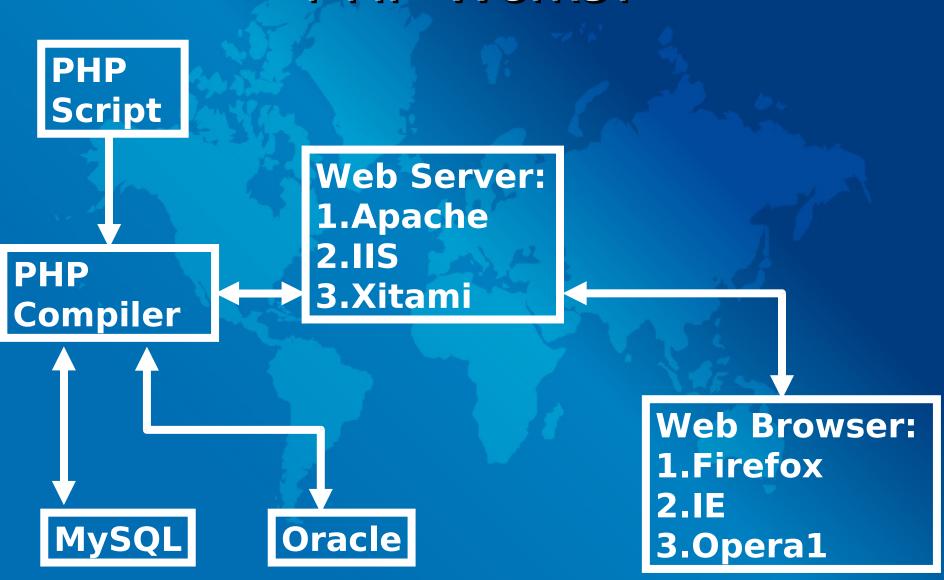
PHP

PHP: Hypertext Preprocessor

PHP?

- Bahasa pemrograman untuk aplikasi basis web
- Dapat diembed di HTML

PHP Works?



Software:

- OS:
 - Linux
 - Windows
- Apache
- PHP
- MySQL

Atau:

- XAMPP
 - Apache, MySQL, PHP, PERL
- WAMP
 - Apache, MySQL, PHP
- PHP Triad
 - Apache, PHP, MySQL

PHP?

```
<html>
    <head>
      <title>Example</title>
    </head>
      <?php
echo "Hi, I'm a PHP script!";</pre>
 </body>
```

Basic syntax:

- < ?php echo("if you want to serve XHTML or XML documents, do like this\n"); ?>
- Calculate the simplest, an SGML processing instruction\n"); ?>

Comment:

- echo "This is a test";

 // This is a one-line c++ style comment
 - /* This is a multi line comment yet another line of comment */ echo "This is yet another test"; echo "One Final Test";
- # This is shell-style style comment ?>

Variable:

- Boleh dideklarasi boleh tidak
- Diawali tanda "\$" (dolar)
- Nama diawal oleh huruf atau underscore
- Diikuti oleh huruf atau angka atau underscore

Contoh:

```
<?php</p>
$var = "Bob";
$\square \text{$\square \text{$
echo "$var, $Var";
$4site = 'not yet';
$ 4site = 'not yet';
$täyte = 'mansikka';
 ?>
```

Variable Scope:

```
<?
$a = "Hello..!"; //variable global
function salam()
     echo "isi variable a: $a"; //variable lokal
salam();
```

```
$a = "Hello..!"; //variable global
function salam()
    global $a;
    echo "isi variable a: $a"; //variable lokal
salam();
```

```
<?php
■ $a = 1;
• $b = 2;
 function Sum()
   global $a, $b;
  $b = $a + $b;
```

```
Sum();
```

- echo \$b;
- **?**>

Non Static Var

```
<?php</p>
 function Test ()
  $a = 0;
   $a++;
    echo "Isi var a
  dalam fungsi Test()
  adalah: $a";
     echo "<br>";
```

```
Test();
Test();
Test();
Test();
```



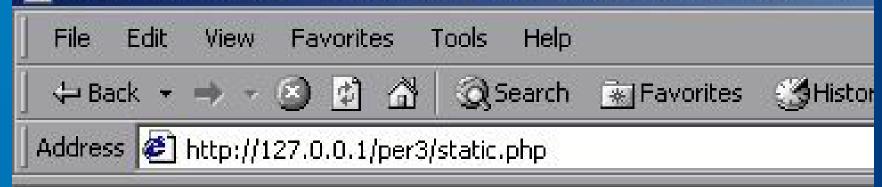
Isi var a dalam fungsi Test() adalah: 1 Isi var a dalam fungsi Test() adalah: 1 Isi var a dalam fungsi Test() adalah: 1 Isi var a dalam fungsi Test() adalah: 1

Static Var

```
<?php
function Test ()
 static $a=0;
  $a++;
   echo "Isi var a
dalam fungsi Test()
adalah: $a";
    echo "<br>";
```

```
Test();
Test();
Test();
Test();
```

http://127.0.0.1/per3/static.php - Microsoft Internet Explorer



Isi var a dalam fungsi Test() adalah: 1

Isi var a dalam fungsi Test() adalah: 2

Isi var a dalam fungsi Test() adalah: 3

Isi var a dalam fungsi Test() adalah: 4

Variable dari luar (GET/POST)

- Contoh:
 - http://www.acme.com/sum.php?a=12&b
 - \$_GET["a"]
 - \$_GET["b"]

- <form action="foo.php" method="POST">
- Name: <input type="text" name="username">

- Email: <input type="text" name="email">

- <input type="submit" name="submit" value="Submit me!">
- </form>

- **-** <?
- Print "Username anda: \$_POST[username]
";
- Print "E-mail anda: \$_POST[email]";
- **?**>

Constant var

- <?php</pre>
- define("CONSTANT", "Hello world.");
- echo CONSTANT; // outputs "Hello world."
- **?**>

Predefined Vars

- \$GLOBALS
- \$ SERVER
- \$ GET
- \$ POST
- \$_COOKIE
- \$ FILES
- \$_ENV
- \$_REQUEST



MANUAL PHP

Tipe Data

- Boolean:
 - True/false
- Integer:
 - \$a=123;
 - \$a=0123; (oktal)
 - \$a=0x1A; (heksadesimal)

Float:

- \$a=1.234;
- \$a=1.2e3;
- \$s=7E-10;
- String:
 - \$a = "this is a simple string";

Array

Indexed:

```
• \$arr a = array(23,34,55,45,34,32);
echo "$arr a[0] <br>";
echo "$arr a[1] <br>";
echo "$arr a[2] <br>";
echo "$arr a[3] <br>";
echo "$arr a[4] <br>";
echo "$arr a[5] <br>";
```

Array

- Asosiatif:
 - \$arr_buah = array("mangga" =>
 "hijau","jeruk" => "kuning","tomat" =>
 "merah");
 - echo "Mangga: \$arr_buah[mangga]
";
 - echo "Jeruk: \$arr_buah[jeruk]
";
 - echo "Tomat: \$arr_buah[tomat]
";

Operator

- Aritmatik
- Bitwise
- Perbandingan
- Logika
- String

Aritmatika

Example	Name
\$a + \$b	Addition
\$a - \$b	Subtraction
\$a * \$b	Multiplication
\$a / \$b	Division
\$a % \$b	Modulus

Bitwise

Example	Name
\$a & \$b	And
\$a \$b	Or
\$a ^ \$b	Xor
~ \$a	Not
\$a << \$b	Shift left
\$a >> \$b	Shift right

Perbandingan

Example	Name
\$a == \$b	Equal
\$a != \$b	Not equal
\$a <> \$b	Not equal
\$a < \$b	Less than
\$a > \$b	Greater than
\$a <= \$b	Less than or equal to
\$a >= \$b	Greater than or equal to

Logika

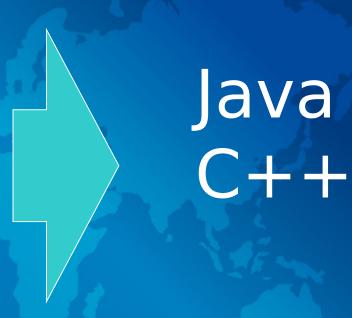
Example	Name
\$a and \$b	And
\$a or \$b	Or
\$a xor \$b	Xor
! \$a	Not
\$a && \$b	And
\$a \$b	Or

String

```
$ $ a = "Hello ";
$ a .= "World!";
```

Struktur Kendali

- If
- If else
- If elseif else
- While endwhile
- Do while
- For



Foreach:

```
• <?php
$arr = array("one", "two", "three");

foreach ($arr as $value) {
   echo "Value: $value<br>\n";
}
?>
```

Break:

```
• <?php
 $arr = array ('one', 'two', 'three', 'four',
 'stop', 'five');
 while (list (, \$val) = each (\$arr)) {
   if (\$val == 'stop') \{
      break; /* You could also write
 'break 1;' here. */
   echo "$val<br>\n";
```

Continue:

```
    <!php
    while (list ($key, $value) = each ($arr))
    {
        if (!($key % 2)) { // skip odd members
            continue;
        }
        do_something_odd ($value);
    }
}
</pre>
```

Switch:

```
switch ($i) {
   case 0:
      print "i equals 0";
      break;
   case 1:
      print "i equals 1";
      break;
   case 2:
      print "i equals 2";
      break;
```

Array Function

- list()
- each()
- count()

\$my_array = array("Element 1",
"Element 2", "Element 3");

while(list(\$key, \$value) = each(\$my_array)) print("Key: \$key, Value: \$value
");



<u>File Edit View Go Bookmarks</u>



Key: 0, Value: Element 1

Key: 1, Value: Element 2

Key: 2, Value: Element 3

- **-** <?
- \$my_array = array("Landon" => 1,
 "Graeme" => 2, "Tobias" => 3, "Till"
 => 4);
- while(list(\$key, \$value) = each(\$my_array))
- print("Key \$key, Value \$value
")
- **?**>



Key Landon, Value 1 Key Graeme, Value 2 Key Tobias, Value 3 Key Till, Value 4

String Function

- Echo
- Print

explode

- \$a="User Authentication and Session Security";
- \$b=explode(\$a);
- \$jumlah_kata = count(\$b);
- while(list(\$key, \$value) = each(\$b))
- print("Key \$key, Value \$value
")

<u>File Edit View Go Bookmarks</u>



Key 0, Value User

Key 1, Value Authentication

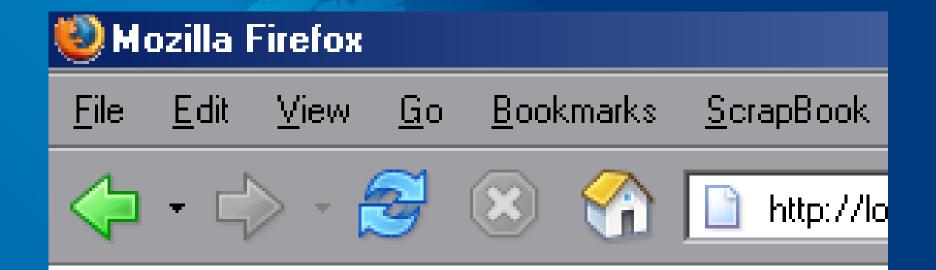
Key 2, Value and

Key 3, Value Session

Key 4, Value Security

md5

- Mencari nilai hash sebuah kata menggunakan algoritma MD-5 message digest
- **-** <?
- \$md5_word = md5("web");
- Print(\$md5_word);
- **?**>



b9a99aa04b2d80fb437af413069f22f3

substr

```
$a = substr("yogyakarta", 1);
$a = substr("yogyakarta", 1, 3);
$a = substr("yogyakarta", 0, 4);
$a = substr("yogyakarta", 0, 8);
$a = substr("yogyakarta", -1);
$a = substr("yogyakarta", -2);
$a = substr("yogyakarta", -3, 1);
```

Date dan Time

```
date()
  • <?php
  echo date("l");
  echo "<br>";
  echo date ("I dS of F Y h:i:s A");
  echo "<br>";

    echo "July 1, 2000 is on a " . date ("l",

    mktime(0,0,0,7,1,2000));
  • ?>
```