PHP2
(Intro and Basic)

Predefined Var

- Variable yang telah terdefinisi oleh PHP, can be called reserved variable

    - Superglobals — Superglobals are built-in variables that are always available in all scopes

    - $php_errormsg — The previous error message

    - $HTTP_RAW_POST_DATA — Raw POST data

    - $http_response_header — HTTP response headers

Supergloblal

- $GLOBALS, References all variables available in global scope

- $_SERVER, an array containing information such as headers, paths, and script locations (isi dibuat oleh web server)

- $_GET, associative array of variables passed to the current script via the URL parameters

- $_POST, associative array of variables passed to the current script via the HTTP POST method

- $_FILES, associative array of items uploaded to the current script via the HTTP POST method

- $_COOKIE, associative array of variables passed to the current script via HTTP Cookies

- $_SESSION, associative array containing session variables available to the current script

- $_REQUEST, provided to the script via the GET, POST, and COOKIE input mechanisms

- $_ENV, associative array of variables passed to the current script via the environment method

Var server

- U can see all variable server by type:

```
1  <?php
2  phpinfo();
3  ?>
```

- and conf

PHP Variables

Variable	Value
_SERVER["HTTP_HOST"]	localhost
_SERVER["HTTP_USER_AGENT"]	Mozilla/5.0 (X11; U; Linux i686; en-US; rv:1.9.1.9) Gecko/20100401 Ubuntu/9.10 (karmic) Firefox/3.5.9
_SERVER["HTTP_ACCEPT"]	text/html,application/xhtml+xml,application /xml;q=0.9,*/*;q=0.8
_SERVER["HTTP_ACCEPT_LANGUAGE"]	en-us,en;q=0.5
_SERVER["HTTP_ACCEPT_ENCODING"]	gzip,deflate
_SERVER["HTTP_ACCEPT_CHARSET"]	ISO-8859-1,utf-8;q=0.7,*;q=0.7
_SERVER["HTTP_KEEP_ALIVE"]	300
_SERVER["HTTP_CONNECTION"]	keep-alive
_SERVER["PATH"]	/usr/local/bin:/usr/bin:/bin
_SERVER["SERVER_SIGNATURE"]	<address>Apache/2.2.12 (Ubuntu) Server at localhost Port 80</address>
_SERVER["SERVER_SOFTWARE"]	Apache/2.2.12 (Ubuntu)
_SERVER["SERVER_NAME"]	localhost
_SERVER["SERVER_ADDR"]	::1
_SERVER["SERVER_PORT"]	80
_SERVER["REMOTE_ADDR"]	::1
_SERVER["DOCUMENT_ROOT"]	/home/dww/public_html/
_SERVER["SERVER_ADMIN"]	webmaster@localhost
SERVER["SCRIPT_FILENAME"]	/home/dww/public_html/Php1/ind2.php

- Used to
  - $PHP_SELF: name of script
  - $SERVER_NAME: server name
  - $SERVER_PORT: port name of web server
  - $LOCAL_ADDR: IP user
  - $REMOTE_HOST: IP user
  - $REQUEST_METHOD: the type of method

```php
echo $_SERVER['PHP_SELF'];echo "<br>";
echo $_SERVER['GATEWAY_INTERFACE'];echo "<br>";
echo $_SERVER['SERVER_ADDR'];echo "<br>";
echo $_SERVER['SERVER_NAME'];echo "<br>";
echo $_SERVER['SERVER_SOFTWARE'];echo "<br>";
echo $_SERVER['SERVER_PROTOCOL'];echo "<br>";
echo $_SERVER['REQUEST_METHOD'];echo "<br>";
echo $_SERVER['REQUEST_TIME'];echo "<br>";
echo $_SERVER['DOCUMENT_ROOT'];echo "<br>";
echo $_SERVER['HTTP_ACCEPT'];echo "<br>";
echo $_SERVER['HTTP_ACCEPT_CHARSET'];echo "<br>";
echo $_SERVER['HTTP_ACCEPT_ENCODING'];echo "<br>";
echo $_SERVER['HTTP_ACCEPT_LANGUAGE'];echo "<br>";
echo $_SERVER['HTTP_CONNECTION'];echo "<br>";
echo $_SERVER['HTTP_HOST'];echo "<br>";
echo $_SERVER['HTTP_USER_AGENT'];echo "<br>";
echo $_SERVER['REMOTE_ADDR'];echo "<br>";
echo $_SERVER['REMOTE_PORT'];echo "<br>";
echo $_SERVER['SCRIPT_FILENAME'];echo "<br>";
echo $_SERVER['SERVER_ADMIN'];echo "<br>";
echo $_SERVER['SERVER_PORT'];echo "<br>";
echo $_SERVER['SCRIPT_NAME'];echo "<br>";
echo $_SERVER['REQUEST_URI'];echo "<br>";
```

Informasi Server

/WPCourse/InfServ.php
CGI/1.1
::1
localhost
Apache/2.2.14 (Ubuntu)
HTTP/1.1
GET
1301967774
/var/www
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
ISO-8859-1,utf-8;q=0.7,*;q=0.7
gzip,deflate
en-us,en;q=0.5
keep-alive
localhost
Mozilla/5.0 (X11; U; Linux i686; en-US; rv:1.9.2.16) Gecko/20110323 Ubuntu/1
::1
37688
/var/www/WPCourse/InfServ.php
webmaster@localhost
80
/WPCourse/InfServ.php
/WPCourse/InfServ.php

```php
<?php
$color='#123456'; //define global var
function col(){
    $colr='#654321';//define local var
    echo "<font color=$colr>"."Text color defined by Local_var"."</font>";
    echo "<br>";
    echo '<font color=$GLOBALS["colr"]>'."Text color defined by Global_var"."</font>";
}
col();
?>
```

Text color defined by Local_var
Text color defined by Global_var

```php
function head() {
    file_get_contents("http://localhost");
    return $http_response_header;
}
$i= head();$j=count($i);
for ($k=0;$k<$j;$k++){
echo ($i[$k]);echo "<br>";
}
```

HTTP/1.1 200 OK
Date: Fri, 01 Apr 2011 03:39:15 GMT
Server: Apache/2.2.14 (Ubuntu)
Last-Modified: Mon, 03 Jan 2011 07:30:33 GMT
ETag: "a3b8c-b1-498ec209d7ba7"
Accept-Ranges: bytes
Content-Length: 177
Vary: Accept-Encoding
Connection: close
Content-Type: text/html

Validate

- $isset(), to detect variable or key of var
- Value: T/ F
- Null var mean F
- Recall prev ex

Name :
Gender : ○ Female ○ Male
Email :
Mobilephone :
A brief of U, dont be shy write here :

```
$name=strip_tags($_REQUEST['Uname']);//
$gender=$_REQUEST['Ugender'];
$email=strip_tags($_REQUEST['Uemail']);
$mphone=strip_tags($_REQUEST['Umphone']);
$u=strip_tags($_REQUEST['UU']);

if (isset ($name)){
    echo ucwords($name)."<br>";
    if (strlen($name)>=40){
    echo "ow MG, U have such a long name buddy ";
    }
    else{
        echo "please buddy, how should i call U";
    }
}
```

please buddy, how should i call U

```php
if (!empty($name)){
    echo $name;
}
```

```php
if (empty($name)){
    echo "please...name Ur name";
}
```

- please...name Ur name

```php
if (empty($name)){
    echo "please...name Ur name";
}
else {
    echo "Thanks ".$name;
}
```

Array

- Unlike strings and numbers (which are scalar variables, meaning they can store only a single value at a time), an array can hold multiple, separate pieces of information.

- An array is therefore like a list of values, each value being a string or a number or even another array.

- Arrays are structured as a series of key-value pairs, where one pair is an item or element of that array

- For each item in the list, there is a key (or index) associated with it

```php
$MK[0]="Web Programming";
$MK[1]="Information System";
$MK[2]="Statistics";

print_r($MK);echo "<br>";

$Mk = Array("Web Programming","Information System","Statistics");
print_r($Mk);echo "<br>";

$A=Array("7","Web","7.7");
print_r($A);echo "<br>";

$Grade['Web Programming'] = 7;
$Grade['Information System']=7.7;
$Grade['Statistics']=7.8;

print_r($Grade);echo "<br>";
```

Array ([0] => Web Programming [1] => Information System [2] => Statistics)
Array ([0] => Web Programming [1] => Information System [2] => Statistics)
Array ([0] => 7 [1] => Web [2] => 7.7)
Array ([Web Programming] => 7 [Information System] => 7.7 [Statistics] => 7.8)

```php
<?php
$list=array(
    "Live long and prosper",
    "Save for Tomorrow",
    "You will meet someone"
);
$fortune=$list[rand(0,count($list)-1)];
print $fortune;
?>
```

Live long and prosper

- Result, setiap refresh akan tampil teks hadil random

```html
<body>
    <form name="f" method="post" action="index9.php">
        <input name="person" type="text">
        <input type="submit" value="search">
    </form>
```

```php
<?php
$emailDB = array("Jono", "jono@uns.ac.id",
                 "Mono", "mono@uns.ac.id",
                 "Ono", "ono@uns.ac.id",
                 "Dono", "dono@uns.ac.id",
                 "Sono", "sono@uns.ac.id");
?>

<body>
    <form name="f" method="post" action="index8.php">
        <input name="person" type="text">
        <input type="submit" value="search">
    </form>
<?php
    // put your code here
$person = $_POST['person'];
print("Search results for: " . $person . "<br /><br />\n");
$found = false;
for ($i = 0; $i < count($emailDB); $i+=2) {
  if ($person == "" ||
      strpos("?".strtolower($emailDB[$i]), strtolower($person))) {
        $entry1 = $emailDB[$i];
        $entry2 = $emailDB[$i+1];
        print("$entry1: <a href=\'mailto:$entry2\'>$entry2</a><br />\n");
        $found = true;
  }
}
if (!$found) {
  print("No matching names were found.  Please try again.<br />\n");
}
?>
```

de| [search]

Search results for: de

No matching names were found. Please try again.

do [search]

Search results for: do

Dono: dono@uns.ac.id

- Array multidimension
- $Course is array multidimension

```php
$Web=array("Web Programming","core","3","Tuesday");
$Is=array("Information System","core","3","Wednesday");
$St=array("Statistics","core","3","Thursday");
echo "<br>";
$Course=array(
    'Web'=>$Web,
    'Is'=>$Is,
    'St'=>$St);
```

```php
$Web=array("Web Programming","core","3","Tuesday");
$Is=array("Information System","core","3","Wednesday");
$St=array("Statistics","core","3","Thursday");
echo "<br>";
$Course=array(
    'Web'=>$Web,
    'Is'=>$Is,
    'St'=>$St);

$MatKul=array(
    0 =>$Web,
    1 =>$Is,
    2 =>$St);

echo $Course['Web'][0];echo "<br>";
echo $MatKul[1][0];
```

Web Programming
Information System

- PHP also have built in function to manage array

```
print_r($Mono); echo "<br>";
sort($Mono);
print_r($Mono);echo "<br>";
```

Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
Array ([0] => 19 [1] => 1989 [2] => Juni [3] => Karanganyar [4] => Katolik)

- asort()

Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
Array ([1] => 19 [3] => 1989 [2] => Juni [0] => Karanganyar [4] => Katolik)

- # ksort()

  Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
  Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)

- # arsort()

  Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
  Array ([4] => Katolik [0] => Karanganyar [2] => Juni [3] => 1989 [1] => 19)

- # rsort()

  Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
  Array ([0] => Katolik [1] => Karanganyar [2] => Juni [3] => 1989 [4] => 19)

- # krsort()

  Array ([0] => Karanganyar [1] => 19 [2] => Juni [3] => 1989 [4] => Katolik)
  Array ([4] => Katolik [3] => 1989 [2] => Juni [1] => 19 [0] => Karanganyar)

```php
$d=range(1, 31);
$m=array(1=> Jan, Feb, March, April, May, June, July, Aug, Sept, Oct, Nov, Dec);
$y=range(1980, 1996);
echo "Input birthday";echo "<br>";
echo '<select name="d">';
foreach ($d as $key => $value){
    echo "<option value=\"$key\">$value</option>\n";
}
echo '</select>'."   ";
echo '<select name="m">';
foreach ($m as $key => $value){
    echo "<option value=\"$key\">$value</option>\n";
}
echo '</select>'."   ";
echo '<select name="y">';
foreach ($y as $key => $value){
    echo "<option value=\"$key\">$value</option>\n";
}
echo '</select>'."   ";
?>
```

Input birthday

[1 ⇕] [April ⇕] [1988 ⇕]

-

```php
$h1=array("August","17","1945", "years ago, the independence day of Indonesia ......");
$h2=array("November","10","1945","years ago, It was a heroic day in Surabaya. A Hero's Day ....");
$h3=array("May","7","1901","years ago, one of best scientist was born, Niels Bohr .....");

$h=array(
    0 => $h1,
    1 => $h2,
    2 => $h3);

for ($i=0;$i<count($h);$i++){
    if ($h[$i][0]==date(F) and $h[$i][1]==date(j)){
        $ry = date(Y) - $h[$i][2];
        echo $h[$i][0]." ".$h[$i][1].", ".$ry." ".$h[$i][3]."<br>";
    }
}
```

August 17, 65 years ago, the independence day of Indonesia .....

May 7, 109 years ago, one of best scientist was born, Niels Bohr .....

- The last ex, "asli ngawur"..check it by Urself :p

- and a lot application if U want ...(even only string, good suggestion better U put knowledge than animation in Ur portal)

- U can add URL of image, so it will show the pref image when the time is come

```
rs ago, the independence day of Indonesia ......","/pic/Aug17.png");
ars ago, It was a heroic day in Surabaya. A Hero's Day ....");
o, one of best scientist was born, Niels Bohr .....");
```

Additional

- Superglobal var juga menyimpan hasilnya dalam bentuk array

- Sebagian built-in function PHP memberikan result dalam bentuk array.

- Diantaranya: getdate(), date_parse(), strftime(), strptime(), date_parse_from_format (), dll

NOTE

So, now add Ur learning built in function

- 1. String function

- 2. Number function

- 3. Date/ time function

- 4. Array function

UDF

- User Defined Function

- PHP has a lot of built-in functions, addressing almost every need you might have

- More importantly, though, PHP has the capability for you to define and use your own functions for whatever purpose

-
  ```
  function function_name () {
      // Function code.
  }
  ```
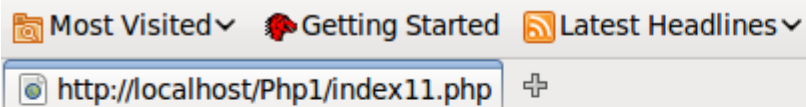
Ex: history()

```php
<?php
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
function history(){

$h1=array("August","17","1945", "years ago, the independence day of Indonesia ......","/pic/Aug17.png");
$h2=array("November","10","1945","years ago, It was a heroic day in Surabaya. A Hero's Day ....");
$h3=array("May","7","1901","years ago, one of best scientist was born, Niels Bohr .....");

$h=array(
    0 => $h1,
    1 => $h2,
    2 => $h3);

for ($i=0;$i<count($h);$i++){
    if ($h[$i][0]==date(F) and $h[$i][1]==date(j)){
        $ry = date(Y) - $h[$i][2];
        echo $h[$i][0]." ".$h[$i][1].", ".$ry." ".$h[$i][3]."<br>";
        }
    }}

    history();
?>
```

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http://localhost/Php1/index11.php

May 7, 109 years ago, one of best scientist was born, Niels Bohr .....

- U can put it anywhere

```
]  <html>
]      <table border="1">
]          <tr>
                <td><?history()?></td>
-          </tr>
-      </table>

-  </html>
```

May 7, 109 years ago, one of best scientist was born, Niels Bohr .....

Function with parameter

- The other form

  function function_name (input_parameter) {

  // Function code.

  }

Input_parameter adalah constan yang digunakan sebagai value inputan

- Ex: Function Triangle

Triangle, bottom [   ], height [   ] | Calculate area |

```
function Triangle ($a,$b){
    $area = (0.5 * $a)*$b;
    echo "Triangle area= ".$area;
    }
$a=$_REQUEST['bot'];$b=$_REQUEST['hei'];
Triangle($a, $b);
```

Triangle, bottom [16], height [10] | Calculate area |

Triangle area= 80

```php
<?
function Triangle ($a,$b){
$area = (0.5 * $a)*$b;
return $area;
}
?>
<body>
    <form name="f" method="post" action="index14.php">
        Triangle,   bottom <input name="bot" type="text" size="5" class="c">
        height <input name="hei" type="text" size="5" class="c" >
                    <input type="submit" name="buttriangle" value="Calc area triangle">
<?
$a=$_POST['bot'];$b=$_POST['hei'];
echo "Triangle area= ".Triangle($a, $b);
?><br><br>
```

Triangle, bottom `10`   height `5`   [Calc area triangle]   Triangle area= 25

Including Multiple Files

- Or Modularisation

- PHP can readily make use of external files

- A capability that allows you to divide your scripts and Web sites into distinct parts

- include(), include_once()

- require(), require_once()

- The include() and require() functions are exactly the same when working properly but behave differently when they fail.

- If an include() function doesn't work (it cannot include the file for some reason), a warning will be printed to the Web browser

- If require() fails, an error is printed and the script is halted

- *_once() version, avoid duplication

- require() or include() pretty similar, join the scripts. The original one and the external files

- Scripts mean, any kind of script, html, css, or CGI script

-

```php
<?
include ('calculate2.php');
require ('calculate.php');
?>
```

header.php × **footer.html** × **index12.php** ×

```html
<!--
To change this template, choose Tools | Templates
and open the template in the editor.
-->
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title></title>
    </head>
    <body>
        <h1><font color="red">Header</font></h1>
        <hr>
    </body>
</html>
```

header.php × **footer.html** × **index12.php** ×

```html
<!--
To change this template, choose Tools | Templates
and open the template in the editor.
-->
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title></title>
    </head>
    <body>
        <hr>
        <h6><font color="red">Footer</font></h6>
    </body>
</html>
```

```php
<?
include ('header.php');
?>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title></title>
    </head>
    <body>
        <form name="f" method="post" action="calculate.php">
            Triangle,   bottom <input name="bot" type="text" size="5">,
                        height <input name="hei" type="text" size="5">,
                        <input type="submit" name="but" value="Calculate area">

        </form>
<?
include ('footer.html');
?>
```

- See, u can include or require .php (header) or html (footer) or the other scripts

Header

Triangle, bottom [_____], height [_____], [Calculate area]

Footer

- A bit modification

```
<?
include ('header.php');
?>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title></title>
    </head>
    <body>
        <form name="f" method="post" action="calculate3.php">
            Triangle,   bottom <input name="bot" type="text" size="5">
                        height <input name="hei" type="text" size="5">
                        <input type="submit" name="buttriangle" value="Calc area triangle"><br><br>
            Square,     edge <input name="edge" size="5">
                        <input type="submit" name="butsquare" value="Calc area square"><br><br>

            Rectangle,  wide <input name="wide" size="5">
                        height <input name="height" size="5">
                        <input type="submit" name="butrectangle" value="Calc area Rectangle"><br><br>
        </form>
<?
include ('footer.html');
?>
    </body>
```
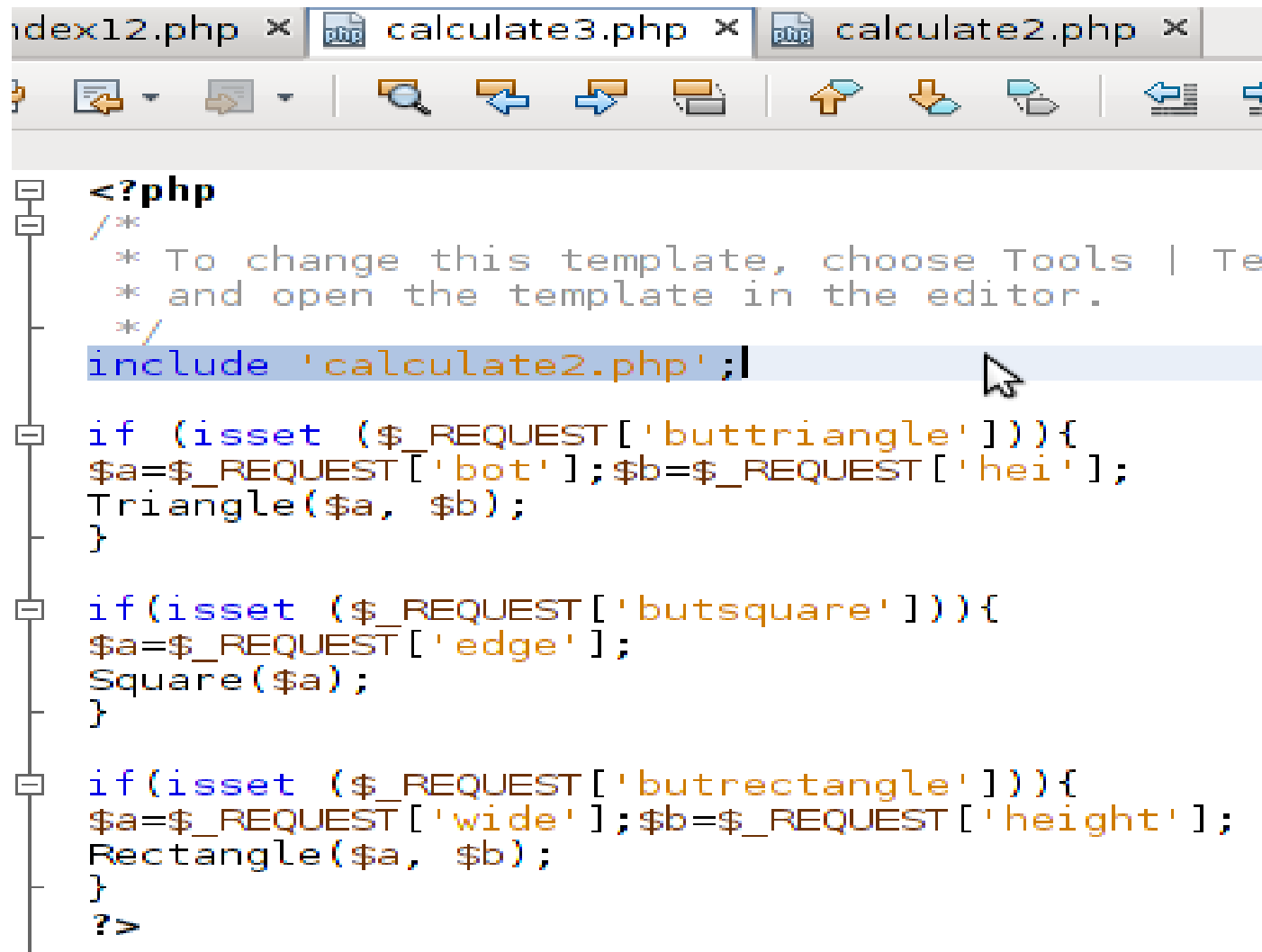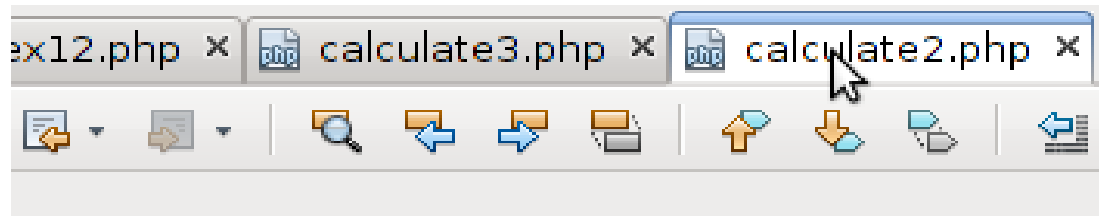
Header

Triangle, bottom [   ] height [   ]   [Calc area triangle]

Square, edge [   ]   [Calc area square]

Rectangle, wide [   ] height [   ]   [Calc area Rectangle]

Footer

- calculate3.php (handle data form), use include ('calculate2.php')

```php
<?php
/*
 * To change this template, choose Tools | Te
 * and open the template in the editor.
 */
include 'calculate2.php';

if (isset ($_REQUEST['buttriangle'])){
$a=$_REQUEST['bot'];$b=$_REQUEST['hei'];
Triangle($a, $b);
}

if(isset ($_REQUEST['butsquare'])){
$a=$_REQUEST['edge'];
Square($a);
}

if(isset ($_REQUEST['butrectangle'])){
$a=$_REQUEST['wide'];$b=$_REQUEST['height'];
Rectangle($a, $b);
}
?>
```

- And calculate2.php (content is function UDP)

```php
<?php
/*
 * To change this template, choose Tools | T
 * and open the template in the editor.
 */

function Triangle ($a,$b){
    $area = (0.5 * $a)*$b;
    echo "Triangle area= ".$area;
    }

function Square ($a){
    $area = $a*$a;
    echo "Square area= ".$area;
}

function Rectangle ($a,$b){
    $area = $a*$b;
    echo "Rectangle area= ".$area;
}

?>
```

Header

Triangle, bottom `6` height `6` [Calc area triangle]

Square, edge `6` [Calc area square]

Rectangle, wide `8` height `10` [Calc area Rectangle]

Footer

Triangle area= 18

Square area= 36

Rectangle area= 80

Working with file

```php
$file = 'email.txt';
$read = fread(fopen($file, "r"), "4096");
echo $read."<br>";

echo file_get_contents($file);
```

"Jono", "jono@uns.ac.id" "Mono", "mono@uns.ac.id" "Ono", "ono@uns.ac.id" "Dono", "dono@uns.ac.id" "Sono",
"sono@uns.ac.id" "Doso", "doso@uns.ac.id"
"Jono", "jono@uns.ac.id" "Mono", "mono@uns.ac.id" "Ono", "ono@uns.ac.id" "Dono", "dono@uns.ac.id" "Sono",
"sono@uns.ac.id" "Doso", "doso@uns.ac.id"

- Mode
  - r, open and pointer in the beginning
  - r+, open and read, pointer in the beginning
  - w, open edit, if no exist make it
  - w+, open edit read,
  - a, open edit pointer in the end
  - a+, open read edit
- A lot built in function to handle file

The other ex

- Upload file, sebelumnya sdh diperkenalkan di bahasan form. Kali ini akan lebih dibahas tentang file

- Kadang dibutuhkan perubahan configuration di server di php.ini (aware dgn platform yg digunakan)

- Used to, terkait

    file_uploads = On //on mode file_uploads

    ;upload_tmp_dir = //folder tempat file

    upload_max_filesize = 2M //maks besar file

```
;;;;;;;;;;;;;;;;;
; File Uploads ;
;;;;;;;;;;;;;;;;;

; Whether to allow HTTP file uploads.
; http://php.net/file-uploads
file_uploads = On

; Temporary directory for HTTP uploaded files (will use system default i
; specified).
; http://php.net/upload-tmp-dir
upload_tmp_dir = http://localhost/WPCourse/myfile

; Maximum allowed size for uploaded files.
; http://php.net/upload-max-filesize
upload_max_filesize = 1M

; Maximum number of files that can be uploaded via a single request
max_file_uploads = 50
```

```html
<h1>File Upload</h1>
    <form enctype="multipart/form-data" action="Upload.php" method="POST">
        <input type="hidden" name="MAX_FILE_SIZE" value="3000000" />
        File <input type="file" name="upload" class="c" />
    <input type="submit" value="Upload" name="submit">
</form>
<?php
// put your code here
if (isset ($_POST['submit'])){
$uploaddir = '/var/www/WPCourse/myfile/';
$uploadfile = $uploaddir . basename($_FILES['upload']['name']);
if (move_uploaded_file($_FILES['upload']['tmp_name'], $uploadfile)) {
echo $_FILES['upload']['name']." sukses terupload.\n";
} else {
echo "Upload gagal\n";
}}
?>
```
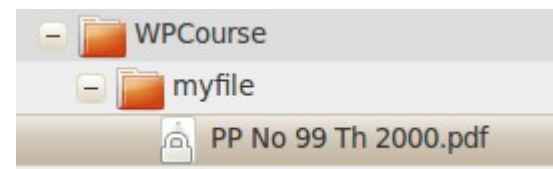
File Upload

File [   ] [Browse...] [Upload]

File Upload

File [   ] [Browse...] [Upload]

PP No 99 Th 2000.pdf sukses terupload.

WPCourse
  myfile
    PP No 99 Th 2000.pdf

- Pembatasan file → bekerja di area MIME (type data dari content, multimedia)

```php
<?php
if (isset ($_POST['submit'])){
//only pdf and jpg/jpeg
$filter = array ('image/jpg','image/jpeg','application/pdf');
if (in_array($_FILES['upload']['type'], $filter)) {
$uploaddir = '/var/www/WPCourse/myfile/';
$uploadfile = $uploaddir . basename($_FILES['upload']['name']);
if (move_uploaded_file($_FILES['upload']['tmp_name'], $uploadfile)) {
echo $_FILES['upload']['name']." sukses terupload.\n";
}} else {
echo "Upload gagal\n";
}}
```

- Variant MIME, diantaranya
  - text/plain
  - image/jpg, image/gif, image/png etc
  - application/pdf
  - application/ms-word
  - audio/x-wav, audio/mpeg
  - video/x-flv
  - etc

- Tambahkan snippet code berikut

```php
echo "<h2>"."Uploaded File"."</h2>";
$dir = "/var/www/WPCourse/myfile";
if ($handle = opendir($dir)) {
while (false !== ($file = readdir($handle))) {
if ($file != "." && $file != "..") {
    echo "$file"." (".mime_content_type($dir."/".$file).") <br>";
}}
closedir($handle);
}
```

File Upload

File [   ] [Browse...] [Upload]

Uploaded File

4.dia (application/x-gzip)
3.jpg (image/jpeg)
1.jpg (image/jpeg)
6.bmp (image/x-ms-bmp)
9.doc (application/msword)
8.xls (application/vnd.ms-office)
2.pdf (application/pdf)
7.ods (application/octet-stream)
5.odp (application/octet-stream)
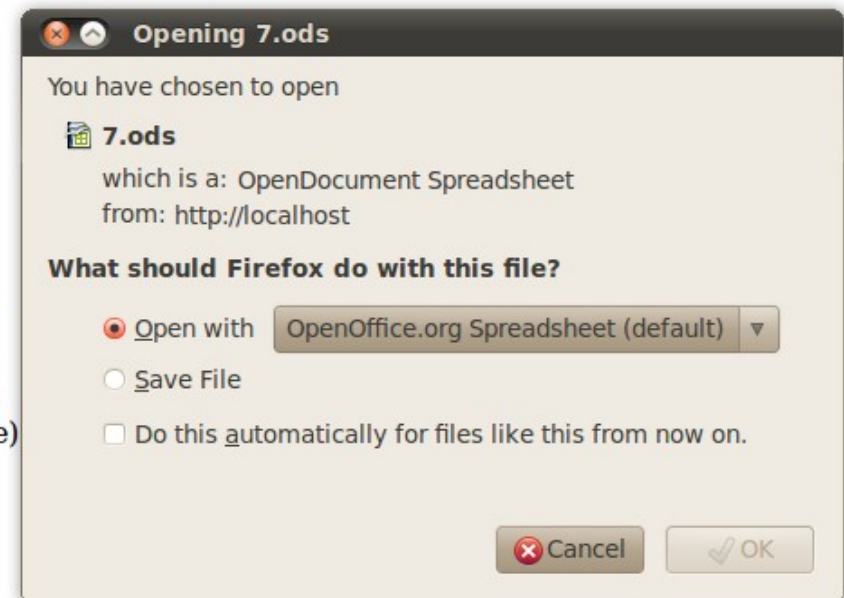10.ppt (application/vnd.ms-office)

• A bit modification

```php
echo "<h2>"."Uploaded File"."</h2>";
$dir = "/var/www/WPCourse/myfile";
if ($handle = opendir($dir)) {
while (false !== ($file = readdir($handle))) {
if ($file != "." && $file != "..") {
    $path = "http://localhost/WPCourse/myfile/".$file;//menambah link file
    echo "<a href='$path'>".$file."</a>"." (".mime_content_type($dir."/".$file).") <br>";
}}
closedir($handle);
}
```

File Upload

File [   ] Browse...   Upload

Uploaded File

4.dia (application/x-gzip)
3.jpg (image/jpeg)
1.jpg (image/jpeg)
6.bmp (image/x-ms-bmp)
9.doc (application/msword)
8.xls (application/vnd.ms-office)
2.pdf (application/pdf)
7.ods (application/octet-stream)
5.odp (application/octet-stream)
10.ppt (application/vnd.ms-office)

Opening 7.ods

You have chosen to open

📊 **7.ods**
   which is a: OpenDocument Spreadsheet
   from: http://localhost

What should Firefox do with this file?

● Open with   OpenOffice.org Spreadsheet (default) ▾

○ Save File

☐ Do this automatically for files like this from now on.

❌ Cancel   ✅ OK

```php
echo "<h2>"."Uploaded File"."</h2>";
$dir = "/var/www/WPCourse/myfile";
if ($handle = opendir($dir)) {
while (false !== ($file = readdir($handle))) {
if ($file != "." && $file != "..") {
    $path = "http://localhost/WPCourse/myfile/".$file;//menambah link file and size file
    echo "<a href='$path'>".$file."</a>"." (".mime_content_type($dir."/".$file).") <font class='c'>".
    filesize($dir."/".$file)."  bytes </font><br>";
}}
closedir($handle);
}
```

Uploaded File

4.dia (application/x-gzip) 9245 bytes
3.jpg (image/jpeg) 10957 bytes
2.txt (text/plain) 86576 bytes
1.jpg (image/jpeg) 9069 bytes
6.bmp (image/x-ms-bmp) 789198 bytes
9.doc (application/msword) 18944 bytes
8.xls (application/vnd.ms-office) 33792 bytes
2.pdf (application/pdf) 6838 bytes
isso (text/plain) 79 bytes
7.ods (application/octet-stream) 22502 bytes
5.odp (application/octet-stream) 24245 bytes
10.ppt (application/vnd.ms-office) 1278976 bytes

```php
<?php
if (isset ($_POST['submit'])){
//only pdf and jpg/jpeg
//$filter = array ('image/jpg','image/jpeg','application/pdf');
//if (in_array($_FILES['upload']['type'], $filter)) {
$uploaddir = '/var/www/WPCourse/myfile/';
$uploadfile = $uploaddir . basename($_FILES['upload']['name']);
if (move_uploaded_file($_FILES['upload']['tmp_name'], $uploadfile)) {
    if (file_exists($uploadfile)) {//filter apakah nama file sdh ada
    echo "File ".$_FILES['upload']['name']. " sudah ada";
    } else {
    echo $_FILES['upload']['name']." sukses terupload.\n";
    }} else {
    echo "Upload gagal\n";
    }}
```

File Upload

File [   ] Browse... Upload

File 1.jpg sudah ada

Uploaded File

4.dia (application/x-gzip) 9245 bytes
re22.txt (text/plain) 86576 bytes
1.jpg (image/jpeg) 15365 bytes
6.bmp (image/x-ms-bmp) 789198 bytes
9.doc (application/msword) 18944 bytes
8.xls (application/vnd.ms-office) 33792 bytes
2.pdf (application/pdf) 6838 bytes
isso (text/plain) 79 bytes
7.ods (application/octet-stream) 22502 bytes
5.odp (application/octet-stream) 24245 bytes
10.ppt (application/vnd.ms-office) 1278976 bytes

- Membaca file, default browser langsung mbuka untuk text/plain

```php
// membaca file txt
$path = "http://localhost/WPCourse/myfile/";
$filename = trim($path."2.txt");
$homepage = file_get_contents($filename);
echo $homepage;
?>
```

€uÏ@€pBe€wÏЙIJPЫAQ JУЉѓ2004I~3€ыEoНэГЬЋcГjÏiỸб (ЁmГЬЋcГjÏiỸб}) ЁmГЬЋcГjÏiỸб}Ï@SX150ЖЕДЃФГ ЙяB{IцНЬКЖДГ^Е{ ÏЧЉМГWЋhДЃSXIhЖЕНЬK3qДЃФГ SDnS]ЌA НЬkỸxЌAJCЉvНЏФГỸзSѓqSпФYỸцНЬКЖiЋзỸЩЖЁНьэ TB€ЦЖДГ^Е{ÏЧSHCзÏKЙLE{€€€ЃSBnНЬKJBI ЙНЬPyЛPГ^€HДЃSцKыTBНЬКНЬKỸб Yв€HГЦzỸб€Ю€f PYYвJб JюЛPГ^€HЦTKɅE{ÏЧ€WНЬKAнYDIгДЃSX€WЖDНЬKXv ÏQ The Working Party completed the review and published its Final Report in March 2004 ("the Final Report") The Final Report makes 150 recommendations involving a num of amendments to existing procedural rules and practice The major ones include - the introduction of strict timetables set by the court for each contest case streamlining procedures to avoid unnecessary steps in the course of an action discouraging over-elaborate pleadings witness statements and oral evidence limiting the right to take purely procedural questions on appeal БФSЮ€xSѓMfO\€шНЬZГBBzTBГцНЬKE{ÏЧJЦЉyIг€№Ж3 BтAT ЙНЬPyЖДГ^IU€шЄÏЖЕЉZИлĶлЋн ЙНЬPyЛPГ^€HКЩЦЉМИб Л{ЦuIвM{JфSLSiSHИбJMЛPГ^€H€ÏЖЕНЬШЦШЬK€ш Ньk ЁmГЬЋcГjÏiỸб}€ЮЁmГjÏiKKnЕn€wЄWИĶIм БMKASCJЦSqНЬkJюЋзÏяBIгГ]НЬKK€ЦИ ЁShUp //uvnnN.cMIЉÏce.gOv.hk> €шЋK€HBГ€H€h O\Ф§ 2004I~3€ы BзMfНЬkA|KỸuНЬkЉxЋXSKБЕЦЧЁmГЬЋc ГjÏiỸб}НЬKÏяBДЃФГ SH€ЮЋXSKÏJSпSCJЦSqНЬkJюЋз ÏяB3ỸOЩЉЬeħ3|(3ỸOЩЉЬeħ3|) KЪ3ỸSCJЦSqНЬkJю ЋзÏяBЁmГЬЋcГjÏiỸбЁnЄKIUЖЕÏяBДЃФГНЬKБPIцБЕНЬp 3ỸOЩЉЬeħ3|SDn€uÏ@Ip€U KЪ3ỹЙяIГYiSDXщЄЮНЬYФнНЬkJвI@SXЉвЛ qНЬK€u Ï@ SH€ЮзqЙЬAШЋĶSм JУIbOA3эБЕНЬp€UЦѓPP 3sНЬКЙЬAШЋĶSм KAНЬkЉxЄЮĶFAШГB€HЋЮЉвwIГYiAiAVpЙK SHHT ЋOÏя- BДЃФГЦpAÏЖЖЖÏQ€ЮIГỸФIaĶIIц IbOA3эỸЩЦКyJsДЃ€ЩIГYiЙЬATKЬÏoJtBЮ€ЮÏяEH ЙBÏ@JtBЮ HTЋOГЦIГOA3эЉMJĶAÏНЬK€ФДЉ dealing with simple procedural matters on paper without the need for a hearing encouraging greater openness between parties encouraging earlier settlements requiring proper consideration to be given to alternative means of resolving disputes The Final Report and its Executive Summary have been uploaded

Copy, Delete, Rename

- Misal copy untuk backup

File Upload

File [   ] [Browse...] [Upload]

Uploaded File

Filename	MIME Type	Filesize	Operation	
4.dia	(application/x-gzip)	9245 bytes	Backup	Delete
re22.txt	(text/plain)	86576 bytes	Backup	Delete
1.jpg	(image/jpeg)	15365 bytes	Backup	Delete
6.bmp	(image/x-ms-bmp)	789198 bytes	Backup	Delete
9.doc	(application/msword)	18944 bytes	Backup	Delete
8.xls	(application/vnd.ms-office)	33792 bytes	Backup	Delete
2.pdf	(application/pdf)	6838 bytes	Backup	Delete
Bersatu.mp3	(audio/mpeg)	3014656 bytes	Backup	Delete
isso	(text/plain)	79 bytes	Backup	Delete
7.ods	(application/octet-stream)	22502 bytes	Backup	Delete
Rules and Semantic Web - Part 2.flv	(video/x-flv)	6991048 bytes	Backup	Delete
5.odp	(application/octet-stream)	24245 bytes	Backup	Delete
Keimanan-Syafiq.wav	(audio/x-wav)	1157120 bytes	Backup	Delete
10.ppt	(application/vnd.ms-office)	1278976 bytes	Backup	Delete
SerialWin.txt	(text/plain)	194 bytes	Backup	Delete

```php
$path= "/var/www/WPCourse/myfile/";
$path2= "/var/www/WPCourse/bckup/";
copy($path.$file, $path2.$file);


    function dicopy($cp){
        $path= "/var/www/WPCourse/myfile/";
        $path2= "/var/www/WPCourse/bckup/";
        copy($path.$cp, $path2.$cp);
    }

            function didelete($dl){
                $path= "/var/www/WPCourse/myfile/";
                $path2= "/var/www/WPCourse/bckup/";
                unlink($path.$dl);
            }

                $path= "/var/www/WPCourse/myfile/";
                rename($path."re2.txt", $path."re22.txt");
```

Write to file