

MODUL

Praktikum Pemrograman Web Lanjut

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INSTRUKSI

Modul praktikum ini digunakan sebagai suplemen perkuliahan advance web programming pada tahun ajaran Genap 2020/2021 di Program Studi Informatika Institut Teknologi dan Bisnis Kalbis. Dalam pembelajaran menggunakan metode blended learning, mahasiswa dituntut untuk melakukan praktikum secara mandiri dan teststruktur, dalam konteks itulah modul praktikum ini dapat membantu mahasiswa mencapai capain kompetensi mata kuliah Advance Web Programming.

Modul praktikum ini tidak dapat dilepaskan dari rancangan perkuliahan mata kuliah advance web programming, pada dasarnya modul ini dapat digunakan siapapun, namun penggunaan dengan tujuan komersial harus mencantumkan kutipan sesuai kaidah akademik.

Modul ini dirancang untuk digunakan dalam kalangan civitas akademika Prodi Informatika, karena itu mahasiswa maupun civitas akademik di Prodi Informatika ITBK dilarang untuk menyebarkan modul ini diluar civitas akademika Prodi Informatika ITBK.

Jakarta, Januari 2021
TIM PENYUSUN



Pahami alasan, pahami tujuan, berfikir bukan sekedar menyalin koding.

Persyaratan Penggunaan Dokumen

Anda diharapkan telah menginstall xampp server pada laptop atau komputer yang anda gunakan.

Anda diharapkan familiar dengan penggunaan github dan google colab agar mempermudah praktikum.

Modul praktikum ini dirancang untuk melatih keterampilan pemrograman dan perancangan web, Untuk setiap latihan praktikum, diberikan panduan pengerjaan secara bertahap agar dapat secara teratur memahami materi dan membentuk keterampilan bersamaan dengan latihan yang dijalankan.

Sangat penting untuk menjalankan instruksi dengan seksama. Pastikan juga, untuk setiap langkah yang dijalankan, dipahami secara mendalam alasan, tujuan dan akibat dari instruksi tersebut. Pemahaman ini sangat penting untuk membentuk keterampilan dan pemahaman di materi selanjutnya yang semakin mendalam

Sekapur Sirih

Penyusun mengucapkan terima kasih kepada semua pihak yang telah mendukung sehingga modul praktikum ini dapat dipergunakan, penyusun juga berharap modul ini dapat membantu mahasiswa dalam proses pembelajaran, khususnya dalam pembelajaran mata kuliah advance web programming.

Programmer's Motto

**“We’ll cross the bridge when it’s
burning underneath us”**

Garry Bernhardt

PRAKTIKUM – 1

Topik "Pengenal HTML"

Petunjuk:

1. Kerjakan percobaan dibawah ini.

1. HTML Headings:

```
<!DOCTYPE html>
<html>
<head>
<title>Heading</title>
</head>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
</body>
</html>
```

2. HTML Paragraph:

```
<!DOCTYPE html>
<html>
<head>
<title>Paragraph</title>
</head>
<body>
<p>This is first paragraph.</p>
<p>This is second paragraph.</p>
<p>This is third paragraph.</p>
</body>
</html>
```

```
<html>
<body>
```

```
<p>
  My Bonnie lies over the ocean.
```

My Bonnie lies over the sea.

My Bonnie lies over the ocean.

Oh, bring back my Bonnie to me.

</p>

<p>Note that your browser ignores the layout!</p>

</body>

</html>

<html>

<body>

<p>

This paragraph
contains a lot of lines
in the source code,
but the browser
ignores it.

</p>

<p>

This paragraph
contains a lot of spaces
in the source code,
but the browser
ignores it.

</p>

<p>

The number of lines in a paragraph depends on the size of your browser window. If you resize the browser window, the number of lines in this paragraph will change.

</p>

</body>

</html>

3. HTML Link:

<html>

<body>

This is a link to EEPIS

</body>

</html>

<html>

<body>

<p>Create a link of an image:


```

</a></p>
```

<p>No border around the image, but still a link:

```
<a href="default.asp">

</a></p>
```

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

```
<html>
<body>
```

```
<p>
<a href="#C4">See also Chapter 4.</a>
</p>
```

```
<h2>Chapter 1</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 2</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 3</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2><a name="C4">Chapter 4</a></h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 5</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 6</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 7</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 8</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 9</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 10</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 11</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 12</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 13</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 14</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 15</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 16</h2>
<p>This chapter explains ba bla bla</p>
```

```
<h2>Chapter 17</h2>
<p>This chapter explains ba bla bla</p>
```

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

```
<html>
```

```
<body>
```

```
<p>Locked in a frame?</p>
<a href="http://www.eepis-its.edu/" target="_top">Click here!</a>
```

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

```
<html>
<body>
```

```
<p>
This is an email link:
<a href="mailto:someone@example.com?Subject=Hello%20again">
Send Mail</a>
</p>
```

```
<p>
<b>Note:</b> Spaces between words should be replaced by %20 to ensure that the browser
will display the text properly.
</p>
```

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

```
<html>
<body>
```


<p>
This is another mailto link:
<a
href="mailto:someone@example.com?cc=someoneelse@example.com&bcc=andsomeoneelse
@example.com&subject=Summer%20Party&body=You%20are%20invited%20to%20a%20big
%20summer%20party!">Send mail!
</p>

<p>
Note: Spaces between words should be replaced by %20 to ensure that the browser
will display the text properly.
</p>

</body>
</html>

PRAKTIKUM – 1

Topik "Pengenalan HTML 2"

1. HTML images:

```
<html>
<body>

</body>
</html>
```

```
<html>
<body>

<p>
An image:

</p>
```

```
<p>
A moving image:

</p>
```

```
<p>
Note that the syntax of inserting a moving image is no different from a non-moving image.
</p>
```

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

```
<html>
<body>

<p>An image from another folder:</p>


<p>An image from EEPIS:</p>


</body>
</html>
```

```
<html>
<body>

<p>An image

with align="bottom".</p>
```

```
<p>An image
```

```

with align="middle".</p>
```

```
<p>An image

with align="top".</p>
```

```
<p><b>Tip:</b> align="bottom" is default!</p>
```

```
<p>
An image before the text.</p>
```

```
<p>An image after the text.
</p>
```

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

```
<html>
<body>
```

```
<p>Create a link of an image:
<a href="default.asp">

</a></p>
```

```
<p>No border around the image, but still a link:
<a href="default.asp">

</a></p>
```

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

```
<html>
<body>
```

```
<p>Click on the sun or on one of the planets to watch it closer:</p>
```

```

```

```
<map name="planetmap">
  <area shape="rect" coords="0,0,82,126" alt="Sun" href="sun.htm" />
  <area shape="circle" coords="90,58,3" alt="Mercury" href="mercur.htm" />
  <area shape="circle" coords="124,58,8" alt="Venus" href="venus.htm" />
</map>
```

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

2. HTML Lines:

```
<html>
<body>
<p>This is a paragraph</p>
<hr />
<p>This is a paragraph</p>
<hr />
<p>This is a paragraph</p>
</body>
</html>
```

3. HTML Comments:

```
<html>
<body>
<!--This comment will not be displayed-->
<p>This is a regular paragraph</p>
</body>
</html>
```

4. HTML Text Formatting:

```
<html>
<body>
<p><b>This text is bold</b></p>
<p><strong>This text is strong</strong></p>
<p><big>This text is big</big></p>
<p><i>This text is italic</i></p>
<p><em>This text is emphasized</em></p>
<p><code>This is computer output</code></p>
<p>This is<sub> subscript</sub> and <sup>superscript</sup></p>
</body>
</html>
```

```
<html>
<body>
```

```
<pre>
This is
preformatted text.
It preserves  both spaces
and line breaks.
</pre>
```

```
<p>The pre tag is good for displaying computer code:</p>
```

```
<pre>
for i = 1 to 10
  print i
next i
</pre>
```

```
</body>
```

</html>

<html>
<body>

<code>Computer code</code>

<kbd>Keyboard input</kbd>

<tt>Teletype text</tt>

<samp>Sample text</samp>

<var>Computer variable</var>

<p>Note: These tags are often used to display computer/programming code.</p>

</body>
</html>

<html>
<body>

<address>
Written by www.eepis-its.edu

Email us

Address: Politeknik Elektronika Negeri Surabaya

Phone: +8212 34 56 78
</address>

</body>
</html>

<html>
<body>

<p>The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.</p>

<p>Can I get this <acronym title="as soon as possible">ASAP</acronym>?</p>

<p>The title attribute is used to show the spelled-out version when holding the mouse pointer over the acronym or abbreviation.</p>

</body>
</html>

<html>

<body>

<p>

If your browser supports bi-directional override (bdo), the next line will be written from the right to the left (rtl):

</p>

<bdo dir="rtl">

Here is some Hebrew text

</bdo>

</body>

</html>

<html>

<body>

A long quotation:

<blockquote>

This is a long quotation. This is a long quotation. This is a long quotation. This is a long quotation. This is a long quotation.

</blockquote>

<p>Note: The browser inserts white space before and after a blockquote element. It also inserts margins.</p>

A short quotation:

<q>This is a short quotation</q>

<p>Note: The browser inserts quotation marks around the short quotation.</p>

</body>

</html>

<html>

<body>

<p>My favorite color is blue <ins>red</ins>!</p>

<p>Notice that browsers will strikethrough deleted text and underline inserted text.</p>

</body>

</html>

5. HTML Tables:

<html>

<body>

<p>

Each table starts with a table tag.

Each table row starts with a tr tag.
Each table data starts with a td tag.
</p>

```
<h4>One column:</h4>
<table border="1">
<tr>
  <td>100</td>
</tr>
</table>
```

```
<h4>One row and three columns:</h4>
<table border="1">
<tr>
  <td>100</td>
  <td>200</td>
  <td>300</td>
</tr>
</table>
```

```
<h4>Two rows and three columns:</h4>
<table border="1">
<tr>
  <td>100</td>
  <td>200</td>
  <td>300</td>
</tr>
<tr>
  <td>400</td>
  <td>500</td>
  <td>600</td>
</tr>
</table>
```

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

```
<html>
<body>
```

```
<h4>With a normal border:</h4>
<table border="1">
<tr>
  <td>First</td>
  <td>Row</td>
</tr>
<tr>
  <td>Second</td>
  <td>Row</td>
</tr>
</table>
```

```
<h4>With a thick border:</h4>
<table border="8">
  <tr>
    <td>First</td>
    <td>Row</td>
  </tr>
  <tr>
    <td>Second</td>
    <td>Row</td>
  </tr>
</table>

<h4>With a very thick border:</h4>
<table border="15">
  <tr>
    <td>First</td>
    <td>Row</td>
  </tr>
  <tr>
    <td>Second</td>
    <td>Row</td>
  </tr>
</table>

</body>
</html>
```

```
<html>
<body>

<h4>This table has no borders:</h4>
<table>
  <tr>
    <td>100</td>
    <td>200</td>
    <td>300</td>
  </tr>
  <tr>
    <td>400</td>
    <td>500</td>
    <td>600</td>
  </tr>
</table>

<h4>And this table has no borders:</h4>
<table border="0">
  <tr>
    <td>100</td>
    <td>200</td>
    <td>300</td>
```



```
</tr>
<tr>
  <td>400</td>
  <td>500</td>
  <td>600</td>
</tr>
</table>
```

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

```
<html>
<body>

<h4>Table headers:</h4>
<table border="1">
<tr>
  <th>Name</th>
  <th>Telephone</th>
  <th>Telephone</th>
</tr>
<tr>
  <td>Bill Gates</td>
  <td>555 77 854</td>
  <td>555 77 855</td>
</tr>
</table>
```

```
<h4>Vertical headers:</h4>
<table border="1">
<tr>
  <th>First Name:</th>
  <td>Bill Gates</td>
</tr>
<tr>
  <th>Telephone:</th>
  <td>555 77 854</td>
</tr>
<tr>
  <th>Telephone:</th>
  <td>555 77 855</td>
</tr>
</table>
```

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

```
<html>
<body>

<h4>Cell that spans two columns:</h4>
```

```

<table border="1">
<tr>
  <th>Name</th>
  <th colspan="2">Telephone</th>
</tr>
<tr>
  <td>Bill Gates</td>
  <td>555 77 854</td>
  <td>555 77 855</td>
</tr>
</table>

```

```

<h4>Cell that spans two rows:</h4>
<table border="1">
<tr>
  <th>First Name:</th>
  <td>Bill Gates</td>
</tr>
<tr>
  <th rowspan="2">Telephone:</th>
  <td>555 77 854</td>
</tr>
<tr>
  <td>555 77 855</td>
</tr>
</table>

```

```

</body>
</html>

```

```

<html>
<body>

<table border="1">
<tr>
  <td>
    <p>This is a paragraph</p>
    <p>This is another paragraph</p>
  </td>
  <td>This cell contains a table:
    <table border="1">
      <tr>
        <td>A</td>
        <td>B</td>
      </tr>
      <tr>
        <td>C</td>
        <td>D</td>
      </tr>
    </table>
  </td>

```

```

</tr>
<tr>
  <td>This cell contains a list
    <ul>
      <li>apples</li>
      <li>bananas</li>
      <li>pineapples</li>
    </ul>
  </td>
  <td>HELLO</td>
</tr>
</table>

```

```

</body>
</html>

```

```

<TABLE BORDER=2>
<TR> <TD>&nbsp;</TD>
  <TH>10 am - noon</TH>
  <TH>noon - 2 pm</TH>
  <TH>2 pm - 4 pm</TH>
</TR>

<TR> <TH>Monday</TH>
  <TD>Home Ec</TD>
  <TD>Math</TD>
  <TD>Geography</TD>

<TR> <TH>Wednesday</TH>
  <TD>History</TD>
  <TD>Social Studies</TD>
  <TD>P.E.</TD>

<TR> <TH>Friday</TH>
  <TD>Music</TD>
  <TD>Peace Studies</TD>
  <TD>Sleep</TD>

```

```

</TABLE>

```

```

<TABLE BORDER=2 CELLPADDING=4>
<TR>
  <TH ROWSPAN=3 BGCOLOR="#99CCFF">Production</TH>
  <TD>Raha Mutisya</TD> <TD>1493</TD>
</TR>
<TR>
  <TD>Shalom Buraka</TD> <TD>3829</TD>
</TR>
<TR>
  <TD>Brandy Davis</TD> <TD>0283</TD>
</TR>
<TR>

```

```
<TH ROWSPAN=3 BGCOLOR="#99CCFF">Sales</TH>
<TD>Claire Horne</TD> <TD>4827</TD>
</TR>
<TR>
<TD>Bruce Eckel</TD> <TD>7246</TD>
</TR>
<TR>
<TD>Danny Zeman</TD> <TD>5689</TD>
</TR>
</TABLE>
```

Topik "Pengenalan PHP"

Petunjuk:

1. Buat direktori 'php' didalam direktori c:/xampp/htdocs/
c:/xampp/htdocs/ adalah direktori server php dengan menggunakan xampp
2. Simpan file percobaan di direktori c:/xampp/htdocs/php/
3. Buka hasil percobaan melalui browser <http://localhost/php/namafile.php>

Percobaan:

1. tes.php: Sintaks PHP dasar:

```
<!DOCTYPE html>
<html>
<body>
<h1>My first PHP page</h1>
<?php
echo "Learning PHP programming!";
?>
</body>
</html>
```
2. komen.php: Komentar dalam PHP

```
<!DOCTYPE html>
<html>
<body>
<?php
//This is a PHP comment line
/*
This is
a PHP comment
block
*/
?>
</body>
</html>
```
3. variabel.php: Variabel PHP

```
<!DOCTYPE html>
<html>
<body>
<?php
$x=15;
$y=63;
$z=$x+$y;
echo $z;
?>
</body>
</html>
```
4. variabel1.php: Variable skup lokal

```
<?php
$x=50; // global scope
```

```
function myTest()
{
echo $x; // local scope
}
myTest();
?>
```

5. variabel2.php: Variabel skup global

```
<!DOCTYPE html>
<html>
<body>
```

```
<?php
$x=25; // global scope
$y=50; // global scope
```

```
function myTest()
{
global $x,$y;
$y=$x+$y;
}
```

```
myTest(); // run function
echo $y; // output the new value for variable $y
?>
```

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

6. variabelglob.php: Penggunaan Variabel GLOBAL php

```
<?php
$x=50;
$y=60;

function myTest()
{
$GLOBALS['y']=$GLOBALS['x']+$GLOBALS['y'];
}
```

```
myTest();
echo $y;
?>
```

7. variabel3.php: Variabel static

```
<!DOCTYPE html>
<html>
<body>
```

```
<?php
```

```
function myTest()
{
static $x=10;
echo $x;
$x++;
}
```

```
myTest();
myTest();
myTest();
```

```
?>
```

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

8. variabel4.php: Variabel skup parameter

```
<!DOCTYPE html>
<html>
<body>
```

```
<?php
```

```
function myTest($x)
{
echo $x;
}
```

```
myTest(50);
```

```
?>
```

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

9. varstring.php: Variabel string

```
<!DOCTYPE html>
<html>
<body>
```

```
<?php
$txt="PENS JOSS!";
echo $txt;
?>
```

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

10. concat.php: Penggabungan dua string

```

<!DOCTYPE html>
<html>
<body>

<?php
$txt1="Teknik Informatika";
$txt2="Politeknik Elektronika Negeri Surabaya";
echo $txt1 . " " . $txt2;
?>

</body>
</html>

```

11. operatorarit.php: Operator Aritmatika

```

<html>
<head><title>Arithmetical Operators</title></head>
<body>
<?php
    $a = 42;
    $b = 20;

    $c = $a + $b;
    echo "Addition Operation Result: $c <br/>";
    $c = $a - $b;
    echo "Substraction Operation Result: $c <br/>";
    $c = $a * $b;
    echo "Multiplication Operation Result: $c <br/>";
    $c = $a / $b;
    echo "Division Operation Result: $c <br/>";
    $c = $a % $b;
    echo "Modulus Operation Result: $c <br/>";
    $c = $a++;
    echo "Increment Operation Result: $c <br/>";
    $c = $a--;
    echo "Decrement Operation Result: $c <br/>";
?>
</body>
</html>

```

12. operatorcomp.php: Operator pembandingan.

```

<html>
<head><title>Comparision Operators</title></head>
<body>
<?php
    $a = 42;
    $b = 20;

```



```

if( $a == $b ){
    echo "TEST1 : a is equal to b<br/>";
}else{
    echo "TEST1 : a is not equal to b<br/>";
}

if( $a > $b ){
    echo "TEST2 : a is greater than b<br/>";
}else{
    echo "TEST2 : a is not greater than b<br/>";
}

if( $a < $b ){
    echo "TEST3 : a is less than b<br/>";
}else{
    echo "TEST3 : a is not less than b<br/>";
}

if( $a != $b ){
    echo "TEST4 : a is not equal to b<br/>";
}else{
    echo "TEST4 : a is equal to b<br/>";
}

if( $a >= $b ){
    echo "TEST5 : a is either grater than or equal to b<br/>";
}else{
    echo "TEST5 : a is nieghter greater than nor equal to b<br/>";
}

if( $a <= $b ){
    echo "TEST6 : a is either less than or equal to b<br/>";
}else{
    echo "TEST6 : a is nieghter less than nor equal to b<br/>";
}
?>
</body>
</html>

```

13. operatorlog.php: Operator logical

```

<html>
<head><title>Logical Operators</title></head>
<body>
<?php
    $a = 42;
    $b = 0;

    if( $a && $b ){
        echo "TEST1 : Both a and b are true<br/>";
    }else{
        echo "TEST1 : Either a or b is false<br/>";
    }
    if( $a and $b ){

```

```

        echo "TEST2 : Both a and b are true<br/>";
    }else{
        echo "TEST2 : Either a or b is false<br/>";
    }
    if( $a || $b ){
        echo "TEST3 : Either a or b is true<br/>";
    }else{
        echo "TEST3 : Both a and b are false<br/>";
    }
    if( $a or $b ){
        echo "TEST4 : Either a or b is true<br/>";
    }else{
        echo "TEST4 : Both a and b are false<br/>";
    }
    $a = 10;
    $b = 20;
    if( $a ){
        echo "TEST5 : a is true <br/>";
    }else{
        echo "TEST5 : a is false<br/>";
    }
    if( $b ){
        echo "TEST6 : b is true <br/>";
    }else{
        echo "TEST6 : b is false<br/>";
    }
    if( !$a ){
        echo "TEST7 : a is true <br/>";
    }else{
        echo "TEST7 : a is false<br/>";
    }
    if( !$b ){
        echo "TEST8 : b is true <br/>";
    }else{
        echo "TEST8 : b is false<br/>";
    }
    ?>
</body>
</html>

```

14. operatorassign.php: Operator assignment

```

<html>
<head><title>Assignment Operators</title></head>
<body>
<?php
    $a = 42;
    $b = 20;

```

```

$c = $a + $b; /* Assignment operator */
echo "Addition Operation Result: $c <br/>";
$c += $a; /* c value was 42 + 20 = 62 */
echo "Add AND Assignment Operation Result: $c <br/>";
$c -= $a; /* c value was 42 + 20 + 42 = 104 */
echo "Subtract AND Assignment Operation Result: $c <br/>";
$c *= $a; /* c value was 104 - 42 = 62 */
echo "Multiply AND Assignment Operation Result: $c <br/>";
$c /= $a; /* c value was 62 * 42 = 2604 */
echo "Division AND Assignment Operation Result: $c <br/>";
$c %= $a; /* c value was 2604/42 = 62*/
echo "Modulus AND Assignment Operation Result: $c <br/>";
?>
</body>
</html>

```

15. operatorcond.php: Operator kondisi

```

<html>
<head><title>Arithmetical Operators</title></head>
<body>
<?php
    $a = 10;
    $b = 20;

    /* If condition is true then assign a to result otheriwse b */
    $result = ($a > $b ) ? $a :$b;
    echo "TEST1 : Value of result is $result<br/>";
    /* If condition is true then assign a to result otheriwse b */
    $result = ($a < $b ) ? $a :$b;
    echo "TEST2 : Value of result is $result<br/>";
?>
</body>
</html>

```

16. ifelse.php: if..else statement

```

<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>

```

17. switch.php: switch statement

```
<html>
<body>
<?php
$d=date("D");
switch ($d)
{
case "Mon":
    echo "Today is Monday";
    break;
case "Tue":
    echo "Today is Tuesday";
    break;
case "Wed":
    echo "Today is Wednesday";
    break;
case "Thu":
    echo "Today is Thursday";
    break;
case "Fri":
    echo "Today is Friday";
    break;
case "Sat":
    echo "Today is Saturday";
    break;
case "Sun":
    echo "Today is Sunday";
    break;
default:
    echo "Wonder which day is this ?";
}
?>
</body>
</html>
```

18. forloop.php: for loop statement

```
<html>
<body>
<?php
$a = 0;
$b = 0;

for( $i=0; $i<5; $i++ )
{
    $a += 10;
    $b += 5;
}
```

```

echo ("At the end of the loop a=$a and b=$b" );
?>
</body>
</html>

```

19. whileloop.php: While loop statement

```

<html>
<body>
<?php
$i = 0;
$num = 50;

while( $i < 10)
{
    $num--;
    $i++;
}
echo ("Loop stopped at i = $i and num = $num" );
?>
</body>
</html>

```

20. dowhile.php: do..while loop statement

```

<html>
<body>
<?php
$i = 0;
$num = 0;
do
{
    $i++;
}while( $i < 10 );
echo ("Loop stopped at i = $i" );
?>
</body>
</html>

```

21. Foreach.php: for each statement

```

<html>
<body>
<?php
$array = array( 1, 2, 3, 4, 5);
foreach( $array as $value )
{
    echo "Value is $value <br />";
}
?>

```

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

22. Array1.php: PHP array

```
<html>
<body>
<?php
/* First method to create array. */
$numbers = array( 1, 2, 3, 4, 5);
foreach( $numbers as $value )
{
    echo "Value is $value <br />";
}
/* Second method to create array. */
$numbers[0] = "one";
$numbers[1] = "two";
$numbers[2] = "three";
$numbers[3] = "four";
$numbers[4] = "five";

foreach( $numbers as $value )
{
    echo "Value is $value <br />";
}
?>
</body>
</html>
```

23. Array2.php: PHP array

```
<html>
<body>
<?php
/* First method to associate create array. */
$salaries = array(
    "mohammad" => 2000,
    "qadir" => 1000,
    "zara" => 500
);

echo "Salary of mohammad is ". $salaries['mohammad'] . "<br />";
echo "Salary of qadir is ". $salaries['qadir']. "<br />";
echo "Salary of zara is ". $salaries['zara']. "<br />";

/* Second method to create array. */
$salaries['mohammad'] = "high";
$salaries['qadir'] = "medium";
$salaries['zara'] = "low";

echo "Salary of mohammad is ". $salaries['mohammad'] . "<br />";
```

```

echo "Salary of qadir is ". $salaries['qadir']. "<br />";
echo "Salary of zara is ". $salaries['zara']. "<br />";
?>
</body>
</html>

```

24. Arraymulti.php: Multi Dimensional array.

```

<html>
<body>
<?php
    $marks = array(
        "mohammad" => array
        (
            "physics" => 35,
            "maths" => 30,
            "chemistry" => 39
        ),
        "qadir" => array
        (
            "physics" => 30,
            "maths" => 32,
            "chemistry" => 29
        ),
        "zara" => array
        (
            "physics" => 31,
            "maths" => 22,
            "chemistry" => 39
        )
    );
    /* Accessing multi-dimensional array values */
    echo "Marks for mohammad in physics : " ;
    echo $marks['mohammad']['physics'] . "<br />";
    echo "Marks for qadir in maths : ";
    echo $marks['qadir']['maths'] . "<br />";
    echo "Marks for zara in chemistry : " ;
    echo $marks['zara']['chemistry'] . "<br />";
?>
</body>
</html>

```

Topik "PHP: Loop, Post & Get"

Petunjuk:

1. Buat direktori 'php' didalam direktori c:/xampp/htdocs/
c:/xampp/htdocs/ adalah direktori server php dengan menggunakan xampp
2. Simpan file percobaan di direktori c:/xampp/htdocs/php/
3. Buka hasil percobaan melalui browser <http://localhost/php/namafile.php>

Percobaan:

1. browser.php: Identifying Browser & Platform

```
<html>
<body>
<?php
    $viewer = getenv( "HTTP_USER_AGENT" );
    $browser = "An unidentified browser";
    if( preg_match( "/MSIE/i", "$viewer" ) )
    {
        $browser = "Internet Explorer";
    }
    else if( preg_match( "/Netscape/i", "$viewer" ) )
    {
        $browser = "Netscape";
    }
    else if( preg_match( "/Mozilla/i", "$viewer" ) )
    {
        $browser = "Mozilla";
    }
    $platform = "An unidentified OS!";
    if( preg_match( "/Windows/i", "$viewer" ) )
    {
        $platform = "Windows!";
    }
    else if ( preg_match( "/Linux/i", "$viewer" ) )
    {
        $platform = "Linux!";
    }
    echo("You are using $browser on $platform");
?>
</body>
</html>
```

2. rand.php: Display Images Randomly.

```
<html>
<body>
<?php
    srand( microtime() * 1000000 );
    $num = rand( 1, 4 );
```



```

switch( $num )
{
case 1: $image_file = "/home/images/alfa.jpg";
        break;
case 2: $image_file = "/home/images/ferrari.jpg";
        break;
case 3: $image_file = "/home/images/jaguar.jpg";
        break;
case 4: $image_file = "/home/images/porsche.jpg";
        break;
}
echo "Random Image : <img src=$image_file />";
?>
</body>
</html>

```

3. redirection.php: browser redirection

```

<?php
if( $_POST["location"] )
{
    $location = $_POST["location"];
    header( "Location:$location" );
    exit();
}
?>
<html>
<body>
    <p>Choose a site to visit :</p>
    <form action="<?php $_PHP_SELF ?>" method="POST">
    <select name="location">
        <option value="http://w3c.org">
            World Wide Web Consortium
        </option>
        <option value="http://www.google.com">
            Google Search Page
        </option>
    </select>
    <input type="submit" />
    </form>
</body>
</html>

```

4. post.php: POST method

```

<?php
if( $_POST["name"] || $_POST["age"] )
{
    echo "Welcome ". $_POST['name']. "<br />";
    echo "You are ". $_POST['age']. " years old.";
    exit();
}

```

```
?>
<html>
<body>
  <form action="<?php $_PHP_SELF ?>" method="POST">
    Name: <input type="text" name="name" />
    Age: <input type="text" name="age" />
    <input type="submit" />
  </form>
</body>
</html>
```

5. get.php: GET method

```
<?php
if( $_GET["name"] || $_GET["age"] )
{
  echo "Welcome ". $_GET['name']. "<br />";
  echo "You are ". $_GET['age']. " years old.";
  exit();
}
?>
<html>
<body>
  <form action="<?php $_PHP_SELF ?>" method="GET">
    Name: <input type="text" name="name" />
    Age: <input type="text" name="age" />
    <input type="submit" />
  </form>
</body>
</html>
```

6. req.php: REQUEST variable.

```
<?php
if( $_REQUEST["name"] || $_REQUEST["age"] )
{
  echo "Welcome ". $_REQUEST['name']. "<br />";
  echo "You are ". $_REQUEST['age']. " years old.";
  exit();
}
?>
<html>
<body>
  <form action="<?php $_PHP_SELF ?>" method="POST">

    Name: <input type="text" name="name" />
    Age: <input type="text" name="age" />

    <input type="submit" />
  </form>
</body>
</html>
```

Soal Praktikum Web :

1. Buat program untuk menampilkan **n** bilangan **genap** atau **ganjil** dengan syarat berikut:
 - a. **n** : diinputkan oleh user
 - b. **genap** atau **ganjil** : diinputkan oleh user
 - c. Jika **genap**: bukan kelipatan 6 dan 8
 - d. Jika **ganjil** : bukan kelipatan 3 dan 7
 - e. Kurang dari 50

Contoh Output:

Jika n = 4 dan bilangan genap → 2, 4, 10, 14

2. Terdapat data mahasiswa sebagai berikut:

NRP	Gambar yang tampil
2110141037	3 jenis mobil
2110141038	3 jenis sepeda motor
2110141039	3 jenis smartphone

Buat program untuk menampilkan gambar secara *random*, dengan syarat:

- a. Input : NRP
 - b. Output : gambar secara *random*
3. Buat program untuk menampilkan proses pendaftaran mahasiswa berprestasi seperti berikut:

- a. Form Inputan:

Pendaftaran Mahasiswa Berprestasi		
NRP	:	
Nama Mahasiswa	:	
Kelas	:	
Prodi	:	
Prestasi	:	
		SUBMIT

- b. Hasil:

Pendaftaran Mahasiswa Berprestasi

NRP : 2110141039
Nama Mahasiswa : Achmad Rizal R
Kelas : 3D4 IT B
Prodi : Teknik Informatika
Prestasi : Juara 1 Lomba Imagine Cup

PRAKTIKUM – 5

Topik "PHP: File Operation, Function, Regular Expression"

1. **read.php: Membaca sebuah file.**

```
<html>
<head>
<title>Reading a file using PHP</title>
</head>
<body>

<?php
$filename = "/home/user/guest/tmp.txt";
$file = fopen( $filename, "r" );
if( $file == false )
{
echo ( "Error in opening file" );
exit();
}
$filesize = filesize( $filename );
$filetext = fread( $file, $filesize );

fclose( $file );

echo ( "File size : $filesize bytes" );
echo ( "<pre>$filetext</pre>" );
?>

</body>
</html>
```

2. **write.php: Menulis sebuah file.**

```
<?php
$filename = "/home/user/guest/newfile.txt";
$file = fopen( $filename, "w" );
if( $file == false )
{
echo ( "Error in opening new file" );
exit();
}
fwrite( $file, "This is a simple test\n" );
fclose( $file );
?>

<html>
<head>
<title>Writing a file using PHP</title>
```

```

</head>
<body>

<?php
if( file_exists( $filename ) )
{
    $filesize = filesize( $filename );
    $msg = "File created with name $filename ";
    $msg .= "containing $filesize bytes";
    echo ($msg );
}
else
{
    echo ("File $filename does not exist" );
}
?>
</body>
</html>

```

3. **function1.php: Membuat sebuah fungsi.**

```

<html>
<head>
<title>Writing PHP Function</title>
</head>
<body>

<?php
/* Defining a PHP Function */
functionwriteMessage()
{
    echo "You are really a nice person, Have a nice time!";
}
/* Calling a PHP Function */
writeMessage();
?>
</body>
</html>

```

4. **function2.php: Fungsi dengan parameter.**

```

<html>
<head>
<title>Writing PHP Function with Parameters</title>
</head>
<body>

<?php
functionaddFunction($num1, $num2)
{

```

```

    $sum = $num1 + $num2;
    echo "Sum of the two numbers is : $sum";
}
addFunction(10, 20);
?>
</body>
</html>

```

5. function3.php: Mengirim argument ke fungsi dengan menggunakan reference.

```

<html>
<head>
<title>Passing Argument by Reference</title>
</head>
<body>
<?php
functionaddFive($num)
{
    $num += 5;
}

functionaddSix(&$num)
{
    $num += 6;
}
$orignum = 10;
addFive( &$orignum );
echo "Original Value is $orignum<br />";
addSix( $orignum );
echo "Original Value is $orignum<br />";
?>
</body>
</html>

```

6. function4.php: Fungsimengembalikansebuahnilai return.

```

<html>
<head>
<title>Writing PHP Function which returns value</title>
</head>
<body>

<?php
functionaddFunction($num1, $num2)
{
    $sum = $num1 + $num2;
    return $sum;
}
$return_value = addFunction(10, 20);
echo "Returned value from the function : $return_value

```

```
?>
</body>
</html>
```

7. function5.php: Men-setting default value untuk parameter fungsi.

```
<html>
<head>
<title>Writing PHP Function which returns value</title>
</head>
<body>

<?php
function printMe($param = NULL)
{
    print $param;
}
printMe("This is test");
printMe();
?>

</body>
</html>
```

8. function6.php: fungsi dinamis.

```
<html>
<head>
<title>Dynamic Function Calls</title>
</head>
<body>
<?php
function sayHello()
{
    echo "Hello<br />";
}
$function_holder = "sayHello";
$function_holder();
?>
</body>
</html>
```

9. reg1.php: Regular Expression menggunakan preg_match().

```
<?php

$subject='Give me 10 eggs';
$pattern=~\b(\d+)\s*(\w+)$~';

$success = preg_match($pattern, $subject, $match);
if ($success) {
```



```

        echo "Match: ".$match[0]."<br />";
        echo "Group 1: ".$match[1]."<br />";
        echo "Group 2: ".$match[2]."<br />";
    }

?>

```

10. reg2.php: Regular expression menggunakan preg_replace().

```

<?php

$subject='Give me 12 eggs then 12 more.';
$pattern=~\d+~';
$newstring = preg_replace($pattern, "6", $subject);
echo $newstring;

?>

```

11. reg3.php: Regular expression menggunakan split().

```

<?php
// split the phrase by any number of commas or space characters,
// which include " ", \r, \t, \n and \f
$keywords = preg_split("/[ ,\t\r\n]+/", "hypertext language, programming");
print_r($keywords);

?>

```

12. reg4.php: Regular expression menggunakan preg_match().

```

<?php

$line = "Vi is the greatest word processor ever created!";
// perform a case-Insensitive search for the word "Vi"
if (preg_match("/\bVi\b/i", $line, $match)) :
    print "Match found!";
endif;

?>

```

Soal Praktikum Web :

4. Terdapat file “mahasiswa.txt”, yang berisi data mahasiswa sebagai berikut:

```
2110171011
2110171012
2110171013
```

Buat program untuk menambahkan data mahasiswa baru : **2110171014**

Tampilkan ke layar isi dari file teks tersebut dengan format:

NRP : xxxxx

5. Buat program penjumlahan dan pengurangan yang disimpan dalam suatu function. Dengan kondisi sebagai berikut:
- Inputan dari user berupa pilihan : penjumlahan atau pengurangan
 - Inputan terdiri dari 2 bilangan : diperoleh dari form (text field)
 - Hasil penjumlahan atau pengurangan disimpan ke file teks dengan format penulisan sebagai berikut:

Hasil Penjumlahan atau Pengurangan

Bilangan1 + Bilangan2 = HasilPenjumlahan

6. Ganti kata **Budi** pada kalimat berikut dengan kata **Imam**

Nama saya adalah Budi Agus Ramadhan

7. Terdapat kalimat: **Institut Teknologi dan Bisnis Kalbis**

Tampilkan dengan memecah kalimat tersebut, sehingga yang ditampilkan ke layar per kata.

PRAKTIKUM – 6

Topik "PHP: Date-Time, Include-Require, "

1. Time.php : format date

```
<?php
    $date_array = getdate();

    foreach ( $date_array as $key => $val ){
        print "$key = $val<br />";
    }

    $formatted_date = "Today's date: ";
    $formatted_date .= $date_array['mday'] . "/";
    $formatted_date .= $date_array['mon'] . "/";
    $formatted_date .= $date_array['year'];

    print $formatted_date;
?>
```

2. ConvertTime.php

```
<?php
    print date("m/d/y G.i:s<br>", time());
    print "Today is ";
    print date("j of F Y, \a\\t g.i a", time());
?>
```

3. GetDate.php

```
<?php
echo "Today is " . date("Y/m/d") . "<br>";
echo "Today is " . date("Y.m.d") . "<br>";
echo "Today is " . date("Y-m-d") . "<br>";
echo "Today is " . date("l");
?>
```

4. GetTime.php

```
<?php
echo "The time is " . date("h:i:sa");
?>
```

5. GetTimeZone.php

```
<?php
date_default_timezone_set("America/New_York");
echo "The time is " . date("h:i:sa");
?>
```

6. Str2Time.php

```
<?php
$d=strtotime("10:30pm April 15 2014");
echo "Created date is " . date("Y-m-d h:i:sa", $d);
?>
```

7. ConvertString2Date.php

```
<?php
$d=strtotime("tomorrow");
echo date("Y-m-d h:i:sa", $d) . "<br>";

$d=strtotime("next Saturday");
echo date("Y-m-d h:i:sa", $d) . "<br>";

$d=strtotime("+3 Months");
echo date("Y-m-d h:i:sa", $d) . "<br>";
?>
```

8. GetNumberOfDays.php

```
<?php
$d1=strtotime("July 04");
$d2=ceil(($d1-time())/60/60/24);
echo "There are " . $d2 . " days until 4th of July.";
?>
```

INCLUDE – REQUIRE

9. Footer.php

```
<?php
echo "<p>Copyright &copy; 1999-" . date("Y") "</p>";
?>
```

10. SimpleInclude.php

```
<html>
<body>

<h1>Welcome to my home page!</h1>
<p>Some text.</p>
<p>Some more text.</p>
<?php include 'footer.php';?>

</body>
</html>
```

11. Menu.php

```
<?php
echo '<a href="/default.asp">Home</a> -
<a href="/html/default.asp">HTML Tutorial</a> -
<a href="/css/default.asp">CSS Tutorial</a> -
<a href="/js/default.asp">JavaScript Tutorial</a> -
<a href="default.asp">PHP Tutorial</a>';
?>
```

12. IncludeMenu.php

```
<html>
<body>

<div class="menu">
<?php include 'menu.php';?>
</div>

<h1>Welcome to my home page!</h1>
<p>Some text.</p>
<p>Some more text.</p>

</body>
</html>
```

13. Vars.php

```
<?php
$color='red';
$car='BMW';
?>
```

14. IncludeVars.php

```
<html>
<body>

<h1>Welcome to my home page!</h1>
<?php include 'vars.php';
echo "I have a $color $car.";
?>

</body>
</html>
```

15. IncludeFileNotExist.php

```
<html>
<body>

<h1>Welcome to my home page!</h1>
<?php include 'noFileExists.php';
echo "I have a $color $car.";
?>

</body>
</html>
```

16. RequireFileNotExist.php

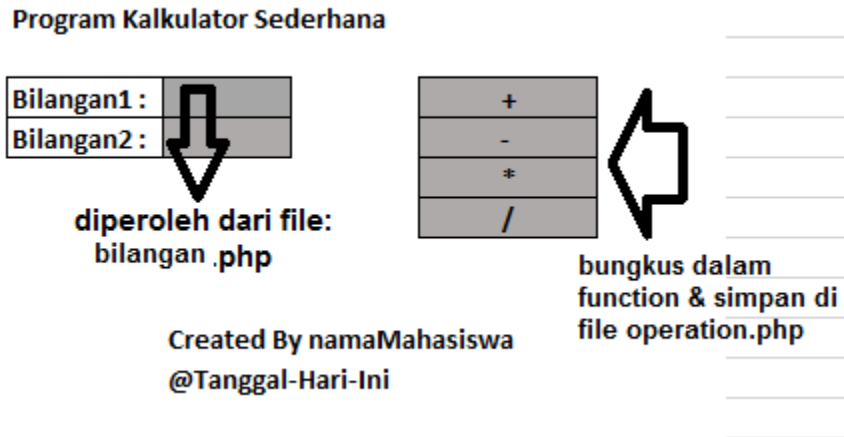
```
<html>
<body>

<h1>Welcome to my home page!</h1>
<?php require 'noFileExists.php';
echo "I have a $color $car.";
?>

</body>
</html>
```

SOAL PRAKTIKUM : DATE TIME , INCLUDE REQUIRE

1. Buat program kalkulator sederhana seperti berikut:



Syarat:

- Program kalkulator diatas disimpan di file **"kalkulator.php"**
 - Menggunakan include atau require
 - Bilangan1 dan bilangan2 : disimpan di file **"bilangan.php"**
 - Proses operasi perhitungan penjumlahan, pengurangan, perkalian, pembagian dikerjakan di file **"operation.php"**
 - Sertakan file **"footer.php"** yang berisi teks: Created By namaMahasiswa @Tanggal-Hari-Ini
2. Terdapat data mahasiswa sebagai berikut:

NRP	Nama Mahasiswa	Tanggal Lahir
2110141040	Jeni Abdulrokhim	11-01-1997
2110141042	Afif Rusdiawan Akbar	10-05-1995
2110141043	Izzatul Millah	27-04-1996
2110141044	Zharfan Abshar Anantha	31-05-1996
2110141045	Muhamad Taufiqurachman	03-05-1995
2110141047	Labba Awwabi	17-08-1996

Buat program untuk menampilkan mahasiswa dengan syarat berikut:

- 2 digit NRP terakhir adalah bilangan ganjil
- Simpan data mahasiswa tersebut dalam bentuk array di file **"dataMahasiswa.php"**
- Output yang ditampilkan di layar:

NRP:

Nama:

Hari kelahiran : ...

Topik "PHP: Cookies & Session"

Petunjuk:

1. Buat direktori 'php' didalam direktori c:/xampp/htdocs/
c:/xampp/htdocs/ adalah direktori server php dengan menggunakan xampp
2. Simpan file percobaan di direktori c:/xampp/htdocs/php/
3. Buka hasil percobaan melalui browser <http://localhost/php/namafilename.php>

Percobaan:

1. cookie1.php

```
<?php
$cookie_name = "user";
$cookie_value = "John Doe";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/"); // 86400 = 1 day
?>
<html>
<body>

<?php
if(!isset($_COOKIE[$cookie_name])) {
    echo "Cookie named '" . $cookie_name . "' is not set!";
} else {
    echo "Cookie '" . $cookie_name . "' is set!<br>";
    echo "Value is: " . $_COOKIE[$cookie_name];
}
?>

</body>
</html>
```

2. modifycookie.php

```
<?php
$cookie_name = "user";
$cookie_value = "Alex Porter";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
?>
<html>
<body>

<?php
if(!isset($_COOKIE[$cookie_name])) {
    echo "Cookie named '" . $cookie_name . "' is not set!";
} else {
    echo "Cookie '" . $cookie_name . "' is set!<br>";
    echo "Value is: " . $_COOKIE[$cookie_name];
}
}
```



```
?>

</body>
</html>
```

3. Deletecookie.php

```
<?php
// set the expiration date to one hour ago
setcookie("user", "", time() - 3600);
?>
<html>
<body>

<?php
echo "Cookie 'user' is deleted.";
?>

</body>
</html>
```

4. Checkcookie.php

```
<?php
setcookie("test_cookie", "test", time() + 3600, '/');
?>
<html>
<body>

<?php
if(count($_COOKIE) > 0) {
    echo "Cookies are enabled.";
} else {
    echo "Cookies are disabled.";
}
?>

</body>
</html>
```

5. demo_session1.php:

```

<?php
// Start the session
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
// Set session variables
$_SESSION["favcolor"] = "green";
$_SESSION["favanimal"] = "cat";
echo "Session variables are set.";
?>

</body>
</html>

```

6. getsessionvalue.php

```

<?php
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
// Echo session variables that were set on previous page
echo "Favorite color is " . $_SESSION["favcolor"] . "<br>";
echo "Favorite animal is " . $_SESSION["favanimal"] . ".";
?>

</body>
</html>

```

7. displayallsession.php

```

<?php
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
print_r($_SESSION);
?>

```

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

8. modifysession.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
// to change a session variable, just overwrite it
$_SESSION["favcolor"] = "yellow";
print_r($_SESSION);
?>

</body>
</html>
```

9. destroysession.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
// remove all session variables
session_unset();

// destroy the session
session_destroy();
?>

</body>
</html>
```

Soal Praktikum Web :

8. Buat program menggunakan **session** untuk proses login, dengan form seperti berikut:

Login		
Username	:	
Password	:	
		SUBMIT

Apabila berhasil login, form berikutnya yang muncul adalah:

Welcome BUDI	
BUDI berhasil login pada 11 April 2018, 10.30	
	SUBMIT

Syarat yang harus dipenuhi:

- Username yang diperbolehkan login:
 - BUDI
 - ANDI
 - AISYAH
 - FINA
- Password yang diinputkan **sama dengan username**
- Apabila gagal login, tampilkan pesan error

9. Terdapat data user sebagai berikut:

Username	Password
2110141012	12
2110141013	13
2110141014	14

Buat program dengan menggunakan **session** untuk proses:

- Login
- Logout

Syarat yang harus dipenuhi:

- Data username dan password dari tabel diatas, harus disimpan dalam bentuk **array**
- Lakukan percobaan hingga 3 user diatas berhasil login semua
- Apabila gagal login, tampilkan pesan error

Soal Praktikum Web – DINILAI:

10. Buat program untuk form **SIGN UP** seperti berikut:

SIGN UP		
NRP	:	
Nama Mahasiswa	:	
Alamat	:	
Program Studi	:	
Tanggal Lahir	:	
Jenis Kelamin	:	
Username	:	
Password	:	
		SUBMIT

Syarat yang harus dipenuhi:

- Data yang diinputkan ketika **sign up**, disimpan ke dalam file teks "datauser.txt"
- Format penulisan ke fileteks adalah:
Nrp;nama;alamat;programstudi;tanggallahir;jeniskelamin;username;password
- Aturan data yang diinputkan:
 - Nama : maksimal 30 digit
 - Tanggal Lahir : dd/mm/yyyy
 - Jenis kelamin : **L** atau **P**
- Password yang diinputkan **sama dengan username**
- Apabila gagal menyimpan, tampilkan pesan error
- Apabila sukses menyimpan, tampilkan pesan "Data berhasil disimpan"

11. Dari data yang tersimpan di fileteks "datauser.txt" pada nomer 1, tampilkan data mahasiswa yang tanggal lahirnya bulan "**maret**".

Petunjuk:

Pisah data dengan Regex

12. Buat form login dan logout dengan menggunakan session. Tampilan form login seperti berikut:

LOGIN		
Username	:	Budi
Password	:	xxxxx
		SUBMIT

Setelah berhasil login, tampilannya seperti berikut:

Welcome BUDI	
BUDI berhasil login pada 11 April 2018, 10.30	
	LOGOUT

Syarat yang harus dipenuhi:

- Username yang bisa login adalah data user yang sudah tersimpan di file "datauser.txt"
- Ketika proses submit di form login, program membaca data username terdaftar dari file "datauser.txt"
- Apabila data username tidak terdapat di file "datauser.txt", tampilkan pesan error ke layar.

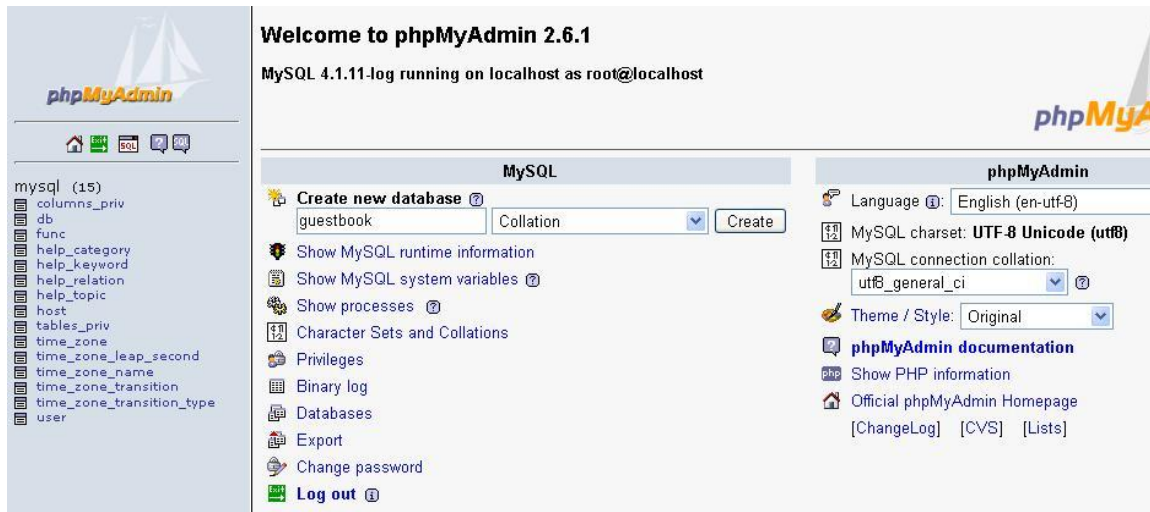
PRAKTIKUM – 9

Topik "PHP: Guestbook"

Creating a new mysql database and table for the guest book:

Assuming that you have httpd/php/mysql running, the first thing we have to do is to create a new database and define a table, which will hold the visitors information inside:
we are using phpmyadmin tool for create database guestbook.

1. Create database guestbook



Result create database guestbook.



Note :

In database guestbook, we use two tables :

1. table visitors : for save information from visitor
2. table user : for save user administrator. For delete and update data.

2. Create Table Visitors :

Now we can create the table for the visitors information. We chose to create a table with fields id , name, email, comment, date and ip.

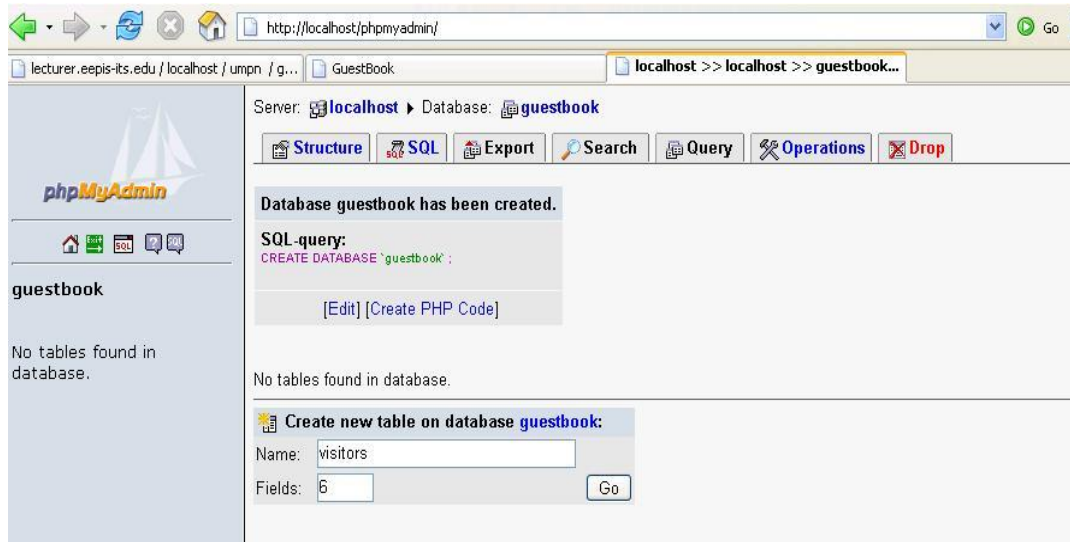
No	Field	Type	Note
1.	id	Int(11)	Id visitors, auto_increment, primary key
2.	name	Varchar(100)	
3.	email	Varchar(200)	
4.	comment	Longtext	
5.	date	Varchar(50)	
6.	ip	Varchar(50)	

SQL Query create table visitors :

SQL-query:

```
CREATE TABLE `visitors` (  
  `id` INT( 11 ) NOT NULL AUTO_INCREMENT ,  
  `name` VARCHAR( 100 ) NOT NULL ,  
  `email` VARCHAR( 100 ) NOT NULL ,  
  `comment` LONGTEXT NOT NULL ,  
  `date` VARCHAR( 50 ) NOT NULL ,  
  `ip` VARCHAR( 50 ) NOT NULL ,  
  PRIMARY KEY ( `id` )
```

Using phpmyadmin : Create table visitor :



Now enter the names and attributes of table fields.

Field	Type	Length	Default	Extra	Note
id	Int	11	0	Auto_increment	Primary key
name	Varchar	100			
email	Varchar	100			

comment	Longtext				
date	Varchar	50			
ip	Varchar	50			

localhost >> localhost >> guestbook >> visitors | phpMyAdmin 2.6.1 - Mozilla Firefox

http://localhost/phpmyadmin/

localhost >> localhost >> guestbook...

Server: localhost Database: guestbook Table: visitors

Field	Type	Length/Values	Collation	Attributes	Null	Default	Extra
id	INT	11			not null		auto_increment
name	VARCHAR	100			not null		
email	VARCHAR	100			not null		
comment	LONGTEXT				not null		
date	VARCHAR	50			not null		
ip	VARCHAR	50			not null		

Table comments: Table type: Default Collation:

Add 1 field(s) Go

Save

* If field type is "enum" or "set", please enter the values using this format: 'a','b','c'...
If you ever need to put a backslash ("\") or a single quote ("'") amongst those values, backslash it (for example '\xyz' or 'a\b').

** For default values, please enter just a single value, without backslash escaping or quotes, using this format: a

3. Create Table User :

Now we can create the table for the user administrator. We chose to create a table with fields id , username and password.

No	Field	Type	Note
1.	id	Int(11)	Id visitors, auto_increment, primary key
2.	name	Varchar(100)	
3.	email	Varchar(200)	
4.	comment	Longtext	
5.	date	Varchar(50)	
6.	ip	Varchar(50)	

SQL Query create table user :

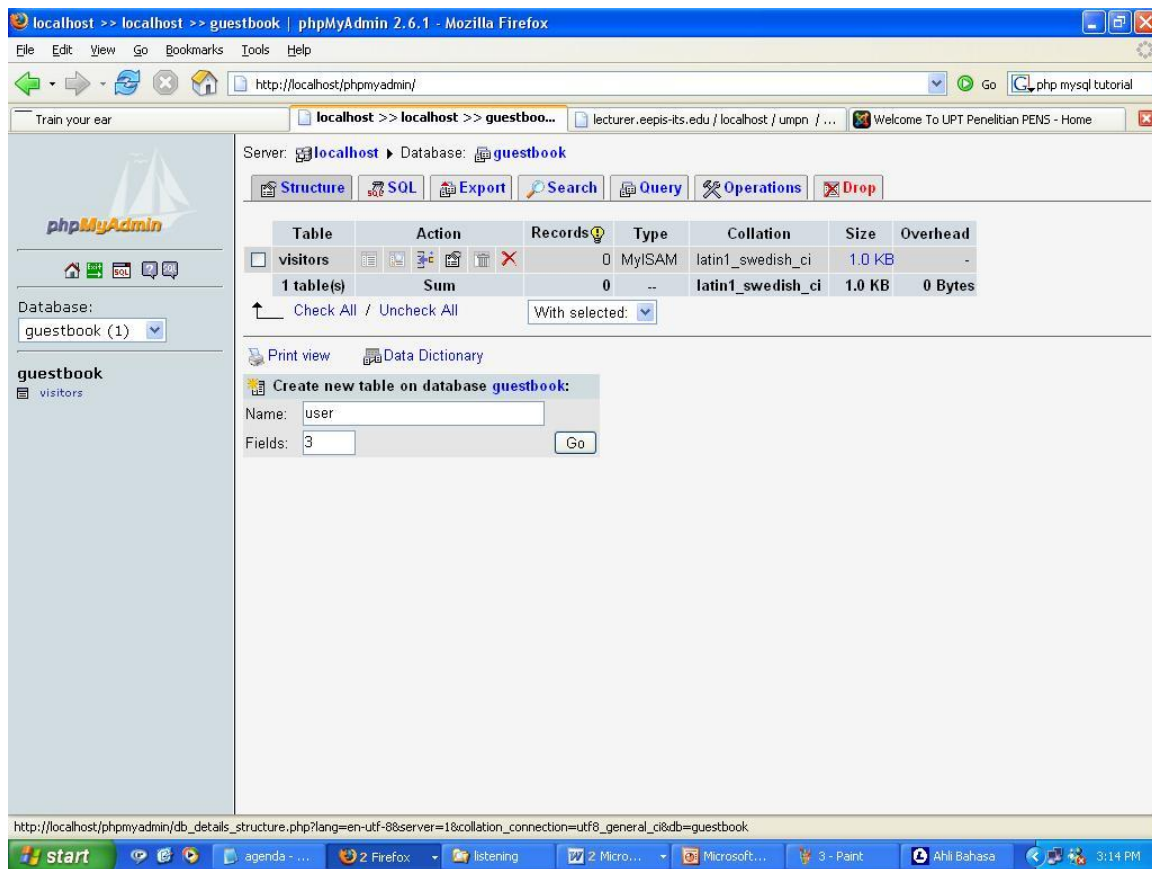
SQL-query:

```
CREATE TABLE `user` (  
  `id` INT( 11 ) NOT NULL AUTO_INCREMENT ,  
  `username` VARCHAR( 20 ) NOT NULL ,  
  `password` VARCHAR( 32 ) NOT NULL ,  
  PRIMARY KEY ( `id` )  
);
```

Click database guestbook and enter name of table and number of field :

Table : user

Field : 3



Then click button 'Go'.

Now enter the names and attributes of table fields.

Field	Type	Length	Extra	Note
id	Int	11	Auto_increment	Primary key
username	Varchar	20		
password	Varchar	32		

localhost >> localhost >> guestbook >> user | phpMyAdmin 2.6.1 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://localhost/phpmyadmin/

Train your ear

localhost >> localhost >> guestbook... lecturer.eepis-its.edu / localhost / umpn / u...

Server: localhost Database: guestbook Table: user

Field	Type	Length/Values	Collation	Attributes	Null	Default**	Extra
id	INT	11			not null		auto_increment
username	VARCHAR	20			not null		
password	VARCHAR	32			not null		

Table comments:

Table type: Default Collation:

Add 1 field(s) Go

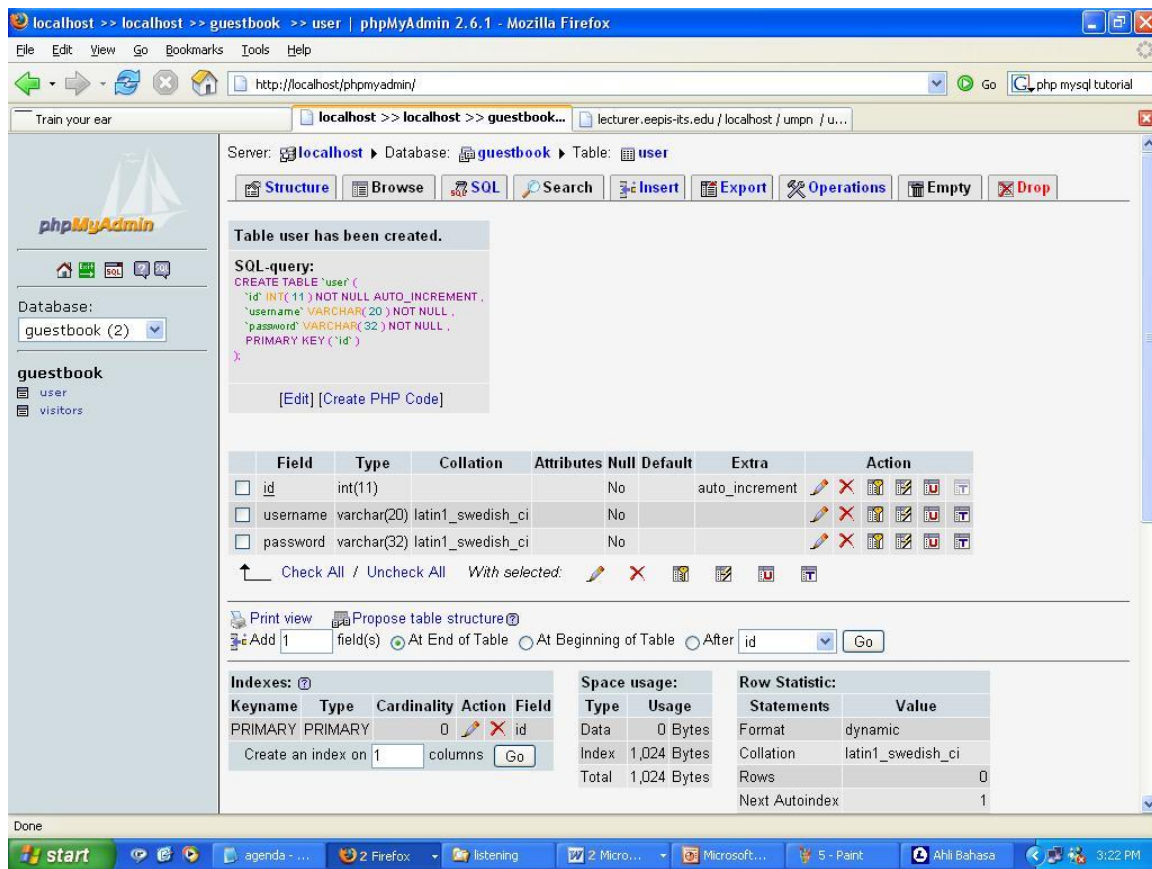
Save

* If field type is "enum" or "set", please enter the values using this format: 'a','b','c'...
If you ever need to put a backslash ("\") or a single quote ("'") amongst those values, backslash it (for example '\xyz' or 'a\b').

** For default values, please enter just a single value, without backslash escaping or quotes, using this format: a

The click button 'save'.

Result table user :



Next we will create a php script to display the information inserted in the table in a formatted table with some colors.

Note :

1. We save php scripts at local server : C:\apache2triad\htdocs\guestbook
2. view our guestbook via browser at : <http://localhost/guestbook/>

Content of php scripts.

1. config.php : php script for connection to database mysql
2. index.php : php script for view content information from visitor
3. sign_guestbook.php : php script for insert new content to guestbook
4. input_user.php : php script for input user administrator
5. login.php : php script for login by administrator to update and delete data
6. validate.php : php script for validate user administrator
7. admin.php : php script for page administrator
8. delete.php : php script for delete data
9. update.php : php script for update data
10. logout.php : php script for logout

1. config.php

php script for connection to database mysql

script config.php

```
-----
<?php
// config.php
$dbhost = 'localhost';
$dbuser = 'user';
$dbpass = 'password';
$dbname = 'guestbook';
$conn = mysql_connect($dbhost, $dbuser, $dbpass) or die ('Error connecting to mysql');
mysql_select_db($dbname);
?>
-----
```

2. index.php

The main and most important page is *index.php*, which does the following things:

1. Displays the guestbook comment information in a table;
2. Displays 5 entries on each page, with NEXT and PREVIOUS options;
3. link sign guestbook for entry new guestbook.

Script index.php

```
-----
<html>
<head>
<title>Guest Book</title>
</head>
<body>
    <h3 align="center">Welcome to My Guestbook </h3>
    <div align="center"><a href="sign_guestbook.php">Sign Guestbook</a> </div>
    <p>
        <?
include 'config.php';
    // how many rows to show per page
    $rowsPerPage = 5;

    // by default we show first page
    $pageNum = 1;

    // if $_GET['page'] defined, use it as page number
    if(isset($_GET['page']))
    {
```

```

    $pageNum = $_GET['page'];
}

// counting the offset
$offset = ($pageNum - 1) * $rowsPerPage;
$query = "SELECT * FROM visitors ORDER BY 'id' DESC LIMIT $offset, $rowsPerPage";
$result = mysql_query($query) or die('Error, query failed 1');

    //jumlah total
    $query1 = "SELECT COUNT(id) AS numrows FROM visitors";
    $result1 = mysql_query($query1) or die('Error, query failed 2');
    $row1 = mysql_fetch_array($result1, MYSQL_ASSOC);
    $numrows = $row1['numrows'];
    echo "Total Number GuestBook : $numrows";
?>
</p>

<?
    $no=1;
    while($hasil=mysql_fetch_array($result)) {
?>
    <table width="99%" border="0" align="center" cellpadding="2" cellspacing="0"
class="content">
    <tr valign="top">
        <td bgcolor="#FFDFFF"><span class="style2">from <? echo $hasil['name']; ?> on <? echo
$hasil['date']; ?> </span></td>
    </tr>
        <tr valign="top">
            <td bgcolor="#FFBFAA"><? echo $hasil['comment']; ?></td>
        </tr>
    </table>

    <? $no++;
        echo "<br>";
    } ?>

<?
    // how many rows we have in database
    $query = "SELECT COUNT(id) AS numrows FROM visitors";
    $result = mysql_query($query) or die('Error, query failed');
    $row = mysql_fetch_array($result, MYSQL_ASSOC);
    $numrows = $row['numrows'];

    // how many pages we have when using paging?
    $maxPage = ceil($numrows/$rowsPerPage);

    // print the link to access each page
    $self = $_SERVER['PHP_SELF'];
    $nav = "";
    for($page = 1; $page <= $maxPage; $page++)
    {

```

```

if ($page == $pageNum)
{
    $nav .= " $page "; // no need to create a link to current page
}
else
{
    $nav .= " <a href=\"\$self?page=$page\">$page</a> ";
}
}

// creating previous and next link
// plus the link to go straight to
// the first and last page

if ($pageNum > 1)
{
    $page = $pageNum - 1;
    $prev = " <a href=\"\$self?page=$page\">[Prev]</a> ";

    $first = " <a href=\"\$self?page=1\">[First Page]</a> ";
}
else
{
    $prev = '&nbsp;'; // we're on page one, don't print previous link
    $first = '&nbsp;'; // nor the first page link
}

if ($pageNum < $maxPage)
{
    $page = $pageNum + 1;
    $next = " <a href=\"\$self?page=$page\">[Next]</a> ";

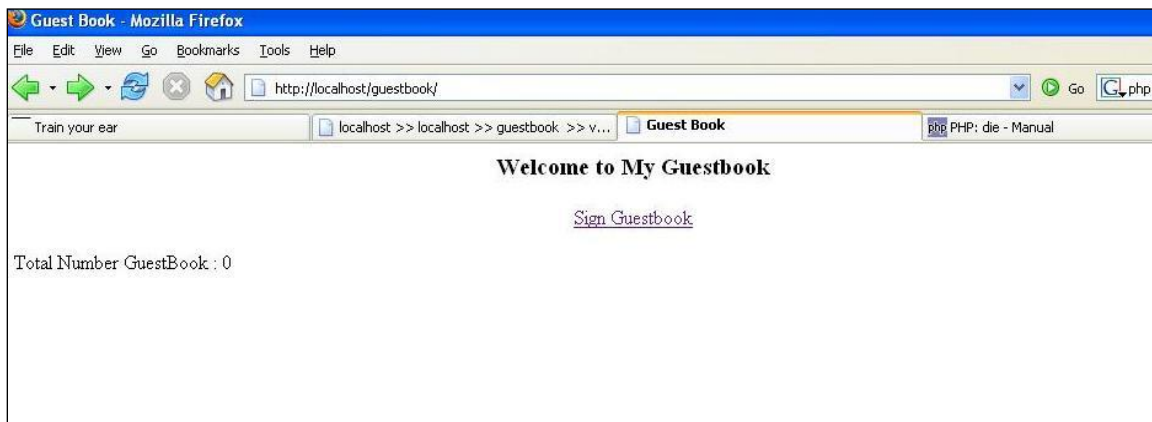
    $last = " <a href=\"\$self?page=$maxPage\">[Last Page]</a> ";
}
else
{
    $next = '&nbsp;'; // we're on the last page, don't print next link
    $last = '&nbsp;'; // nor the last page link
}

// print the navigation link
echo "<center>$first "." $prev "." $nav "." $next "." $last</center>";
    ?>
    <?
mysql_close($conn);
?>

</body>
</html>

```

Result at browser :



3. File sign_guesbook.php

Script php for entry new data to database guestbook.

Script sign_guestbook.php

```
<?
if(isset($_POST['upload']))
{
    include 'config.php';
    $name=htmlentities(trim($_POST['tname']));
    $email=htmlentities(trim($_POST['temail']));
    $content=nl2br(htmlentities(trim($_POST['tcontent'])));
    $date=date("j F Y, g:i a");
    $ip1 = $_SERVER["REMOTE_ADDR"];
    $ip2 = getenv("HTTP_X_FORWARDED_FOR");
    $ip = $ip1 . '-' . $ip2;
    if( (empty($name)) || (empty($email)) || (empty($content)) ) {
        header('Location: error.php');
        exit;
    } else {
        $query = "insert into visitors (name,email,comment,date,ip)".
            "VALUES ('$name','$email','$content','$date','$ip)";

        mysql_query($query) or die('Error, query failed' . mysql_error());
        mysql_close($conn);
        header('Location: index.php');
        exit;
    }
}
```



```

?>
<html>
<head>
<title>Sign Guestbook</title>
</head>

<body>

    <p>
    <form action="<?=$PHP_SELF?>" method="post" name="uploadform" id="uploadform">
    <table width="90%" border="0" align="center" cellpadding="2" cellspacing="2"
class="content">
    <tr bgcolor="#FFDFAA">
    <td colspan="3"><div align="center"><strong>Sign GuestBook </strong></div></td>
    </tr>
    <tr>
    <td colspan="3" valign="top"><div align="center"><a
href="index.php">Cancel</a></div></td>
    </tr>
    <tr>
    <td width="26%" valign="top"><strong>Name <span
class="style1">*</span></strong></td>
    <td width="2%">:</td>
    <td width="72%"><input name="tname" type="text" id="tname" size="30"
maxlength="30">
    <span class="style1">          </span></td>
    </tr>
    <tr>
    <td colspan="3" valign="top"><strong>Email <span class="style1">*</span></strong></td>
    <td>:</td>
    <td><input name="temail" type="text" id="temail" size="30" maxlength="30">
    </td>
    </tr>
    <tr>
    <td colspan="3" valign="middle"><strong>Message <span class="style1">*</span></strong></td>
    <td>:</td>
    <td colspan="2" valign="top"><textarea name="tcontent" cols="50" rows="5"
id="tcontent"></textarea></td>
    </tr>
    <tr>
    <td colspan="3"><td>&nbsp;</td>
    <td>&nbsp;</td>
    <td><input name="upload" type="submit" class="box" id="upload" value=" Submit"></td>
    </tr>
    <tr>
    <td colspan="3"><td colspan="3"><span class="style1">*</span> : Must Entry Data </td>
    </tr>
    </table>
    </form>
</body>
</html>

```

Result at browser :

Sign GuestBook

[Cancel](#)

Name * :

Email * :

Message * :

* : Must Entry Data

Entry new data and click button 'Submit'.

Sign GuestBook

[Cancel](#)

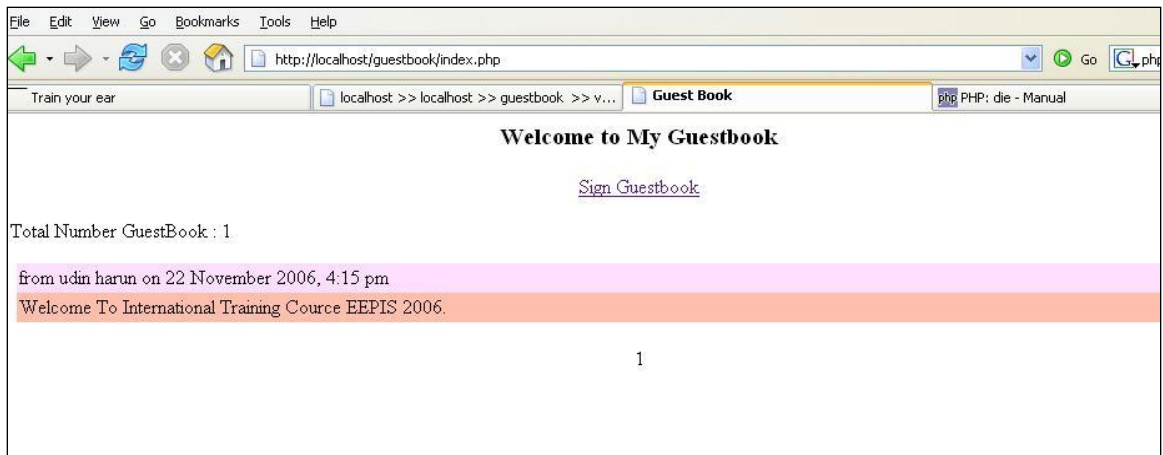
Name * :

Email * :

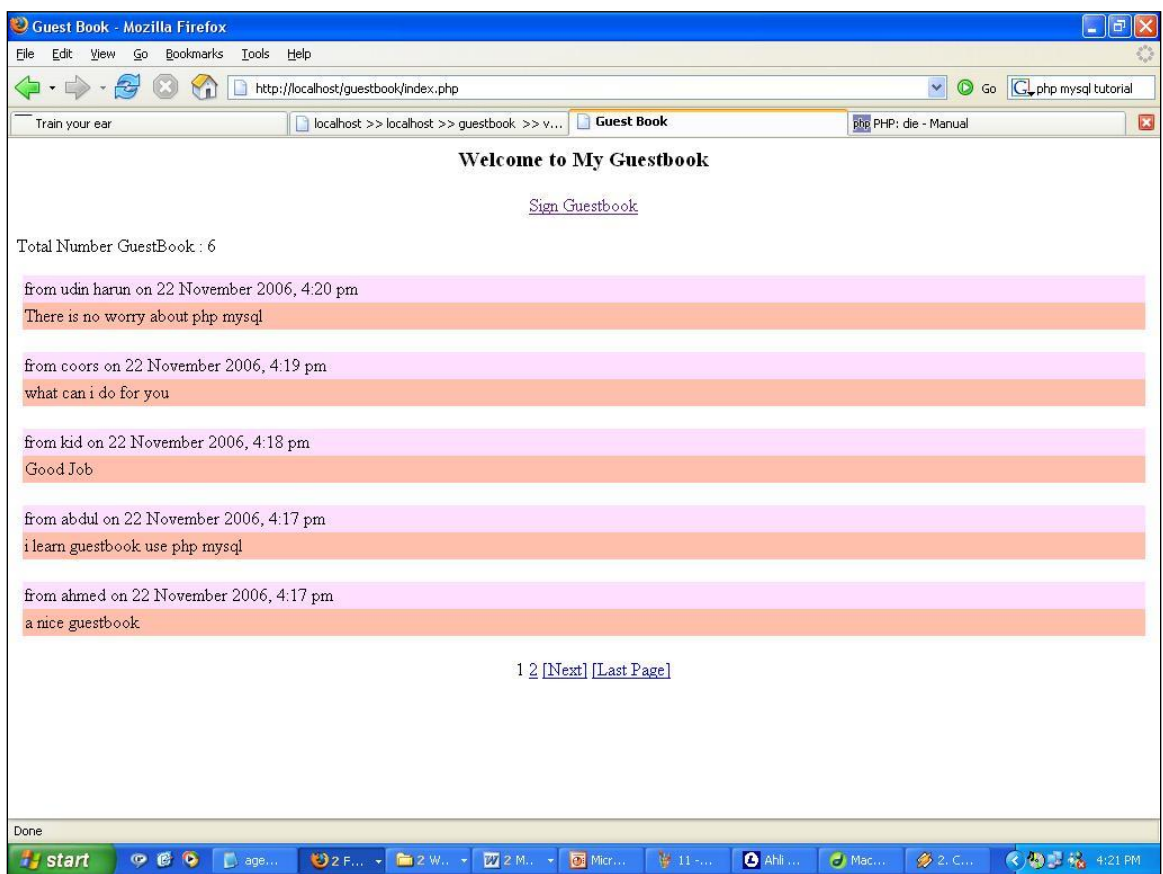
Message * :

* : Must Entry Data

Result at index.php



If data more than 5, paging show multiple pages.



4. File input_user.php

Script php for entry user administrator

Script sign_input_user.php

```
-----
<?
if(isset($_POST['upload']))
{
    include 'config.php';

    $username=trim($_POST['tusername']);
    $password=md5(trim($_POST['tpassword']));
    if( (empty($username)) || (empty($password)) )
    {
        $message = "Data Not Valid";
    }
    else {

        $kueri="select * from user where username='$username'";
        $hasil= mysql_query($kueri,$conn) or die('Error, query failed usersme. ' .
mysql_error());
        $result=mysql_fetch_array($hasil);
        //if there is same username
        if($result !=0)
        {
            $message = "There is same username ";
        }

        else {

            $query = "insert into user (username,
            password)".
            "VALUES
            ('$username','$password')";

            mysql_query($query) or die('Error, query
            mysql_close($conn);

            echo "Add User Administrator '$username'
            SUCCESS";

            exit;

        }

    }
}
?>

<html>
```

```

<head>
<title>Input User Admin</title>
</head>

<body>

        <table width="90%" border="0" align="center" cellpadding="0" cellspacing="0"
class="content">
        <tr>
        <td><center>
        <font color="#FF0000"><? echo $message?></font>
        </center></td>
        </tr>
        </table>

        <form action="<?=$PHP_SELF?>" method="post" name="uploadform"
id="uploadform">
        <table width="90%" border="0" align="center" cellpadding="2" cellspacing="2"
class="content">
        <tr bgcolor="#FFDFAA">
        <td colspan="3"><div align="center"><strong>Add User Administrator
</strong></div></td>
        </tr>
        <tr>
        <td width="26%"><strong>Username</strong></td>
        <td width="2%">:</td>
        <td width="72%"><input name="tusername" type="text" id="tusername" size="20"
maxlength="20">
        <span class="style2">*</span> </td>
        </tr>
        <tr>
        <td><strong>Password</strong></td>
        <td>:</td>
        <td><input name="tpassword" type="password" id="tpassword" size="20"
maxlength="20">
        <span class="style2">*</span> </td>
        </tr>
        <tr>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td><input name="upload" type="submit" class="box" id="upload" value="
Submit"></td>
        </tr>
        </table>
        </form>
        <p></p>

</body>
</html>

```

Result at browser :

View table user at database guestbook :

5. File login.php

Script php for login user administrator

Script login.php

```

<html>
<head>
<title>Login</title>
</head>
<body>
    <form name="login" method="post" action="validate.php">
        <table width="50%" border="0" align="center" cellpadding="2" cellspacing="2"
        bgcolor="#FFFBF0" class="content">
            <tr>
                <td colspan="3"><div align="center"><strong>Login Admin </strong></div></td>

```

```

</tr>
<tr>
  <td width="38%"><strong>Username</strong></td>
  <td width="4%">:</td>
  <td width="58%"><input name="tusername" type="text" id="tusername" size="20"
maxlength="20"></td>
</tr>
<tr>
  <td><strong>Password</strong></td>
  <td>:</td>
  <td><input name="tpasswd" type="password" id="tpasswd" size="20"
maxlength="20"></td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td><input type="submit" name="Submit" value="Submit"></td>
</tr>
<tr>
  <td colspan="3"><div align="center"></div></td>
</tr>
</table>
</form>
</body>
</html>

```

Result at browser :



The screenshot shows a web browser window with the address bar displaying 'http://localhost/guestbook/login.php'. The browser's address bar also shows the file path 'localhost >> localhost >> guestbook >> v...'. The page content features a login form titled 'Login Admin' with a yellow background. The form contains two input fields: 'Username' and 'Password', each preceded by a colon. Below the input fields is a 'Submit' button.

6. File validate.php

Script php for validate user administrator

Script validate.php

```
-----
<?php
    include 'config.php';
    session_start();

    $username = $_POST['tusername'];
    $password = md5($_POST['tpasswd']);

    //set up the query
    $query = "SELECT * FROM user WHERE username='$username' AND
password='$password'";

    //run the query and get the number of affected rows
    $result = mysql_query($query, $conn) or die('error making query');
    $affected_rows = mysql_num_rows($result);
    $data= mysql_fetch_row($result);

    //if there's exactly one result, the user is validated. Otherwise, he's invalid
    if($affected_rows == 1) {
        $_SESSION['sadmin_username']=$username;
        header( 'location: admin.php');
    }
    else {
        header( 'location: login.php' );
    }
?>
```

7. File admin.php

Script php for administrator page

Script admin.php

```
-----
<?
    session_start();

    if(empty($_SESSION['sadmin_username'])) {
        header('Location: login.php ');
    }
?>

<?
include 'config.php';
// how many rows to show per page
$rowsPerPage = 5;
```



```

// by default we show first page
$pageNum = 1;

// if $_GET['page'] defined, use it as page number
if(isset($_GET['page']))
{
    $pageNum = $_GET['page'];
}

// counting the offset
$offset = ($pageNum - 1) * $rowsPerPage;
$query = "SELECT * FROM visitors ORDER BY 'id' DESC LIMIT $offset, $rowsPerPage";
$result = mysql_query($query) or die('Error, query failed');

    //jumlah total
    $query1 = "SELECT COUNT(id) AS numrows FROM visitors";
$result1 = mysql_query($query1) or die('Error, query failed');
$row1 = mysql_fetch_array($result1, MYSQL_ASSOC);
$numrows = $row1['numrows'];
    echo "Total Number GuestBook : $numrows";
?>
</p>
<p align="center">List GuestBook <br>
<a href="logout.php">Logout
</a></p>
<table width="90%" border="1" align="center" cellpadding="2" cellspacing="2"
class="content">
<tr valign="top" bgcolor="#FFDFAA">
<td width="8%"><div align="center"><strong>No</strong></div></td>
<td width="56%"><div align="center"><strong>guestbook</strong></div></td>
<td width="9%"><strong>Delete</strong></td>
<td width="9%"><div align="center"><strong>Update</strong></div></td>
</tr>
<?
    $no=1;
    while($hasil=mysql_fetch_array($result)) {
?>
<tr valign="top">
<td><? echo $no; ?></td>
<td>From : <? echo $hasil['name']; ?><br>
        <? echo $hasil['comment']; ?>
        </td>
<td><a href="delete.php?del=<?=$hasil['id'];?>">Delete</a></td>
<td><a href="update.php?updt=<?=$hasil['id'];?>">Update</a></td>
</tr>
<? $no++; } ?>
</table>
<?

```

```

    // how many rows we have in database
$query = "SELECT COUNT(id) AS numrows FROM visitors";
$result = mysql_query($query) or die('Error, query failed');
$row = mysql_fetch_array($result, MYSQL_ASSOC);
$numrows = $row['numrows'];

// how many pages we have when using paging?
$maxPage = ceil($numrows/$rowsPerPage);

// print the link to access each page
$self = $_SERVER['PHP_SELF'];
$nav = "";
for($page = 1; $page <= $maxPage; $page++)
{
    if ($page == $pageNum)
    {
        $nav .= " $page "; // no need to create a link to current page
    }
    else
    {
        $nav .= " <a href=\"\$self?page=$page\">$page</a> ";
    }
}

// creating previous and next link
// plus the link to go straight to
// the first and last page

if ($pageNum > 1)
{
    $page = $pageNum - 1;
    $prev = " <a href=\"\$self?page=$page\">[Prev]</a> ";

    $first = " <a href=\"\$self?page=1\">[First Page]</a> ";
}
else
{
    $prev = '&nbsp;'; // we're on page one, don't print previous link
    $first = '&nbsp;'; // nor the first page link
}

if ($pageNum < $maxPage)
{
    $page = $pageNum + 1;
    $next = " <a href=\"\$self?page=$page\">[Next]</a> ";

    $last = " <a href=\"\$self?page=$maxPage\">[Last Page]</a> ";
}
else
{
    $next = '&nbsp;'; // we're on the last page, don't print next link

```

```

    $last = '&nbsp;'; // nor the last page link
}

// print the navigation link
echo "<center>$first "." $prev "." $nav "." $next "." $last</center>";
    ?>
<?
mysql_close($conn);
?>

```

Resul at Browser :

Number GuestBook : 5

List GuestBook
[Logout](#)

No	guestbook	Delete	Update
1	From : udin harunda There is no worry about php mysql	Delete	Update
2	From : coors what can i do for you	Delete	Update
3	From : abdul i learn guestbook use php mysql	Delete	Update
4	From : ahmed a nice guestbook	Delete	Update
5	From : udin harun Welcome To International Training Course EEPIS 2006.	Delete	Update

1

8. File delete.php

Script php for delete data

Script delete.php

```

<?php
if($_GET[del])
{
    $id=(int)$_GET[del];
    include ("config.php");
    $queri="delete from visitors where id=$id";
    mysql_query($queri,$conn);
    header("Location:index.php");
    exit;
}
?>

```

9. File update.php

Script php for update data

Script update.php

```
-----
<?
    session_start();

    if(empty($_SESSION['sadmin_username'])) {
        header('Location: login.php ');
    }
?>
<?
if(isset($_POST['btnUpdate']))
{
    include ("config.php");

    $name=trim($_POST['tname']);
    $email=trim($_POST['temail']);
    $content=trim($_POST['tcontent']);

    $query = "UPDATE visitors SET name='$name',email='$email',comment='$content'
WHERE id='$id'";
    mysql_query($query,$conn) or die('Error, query failed. ' . mysql_error());
    header("Location: admin.php");
    exit;

}
?>

    <p>
    <?php

include 'config.php';

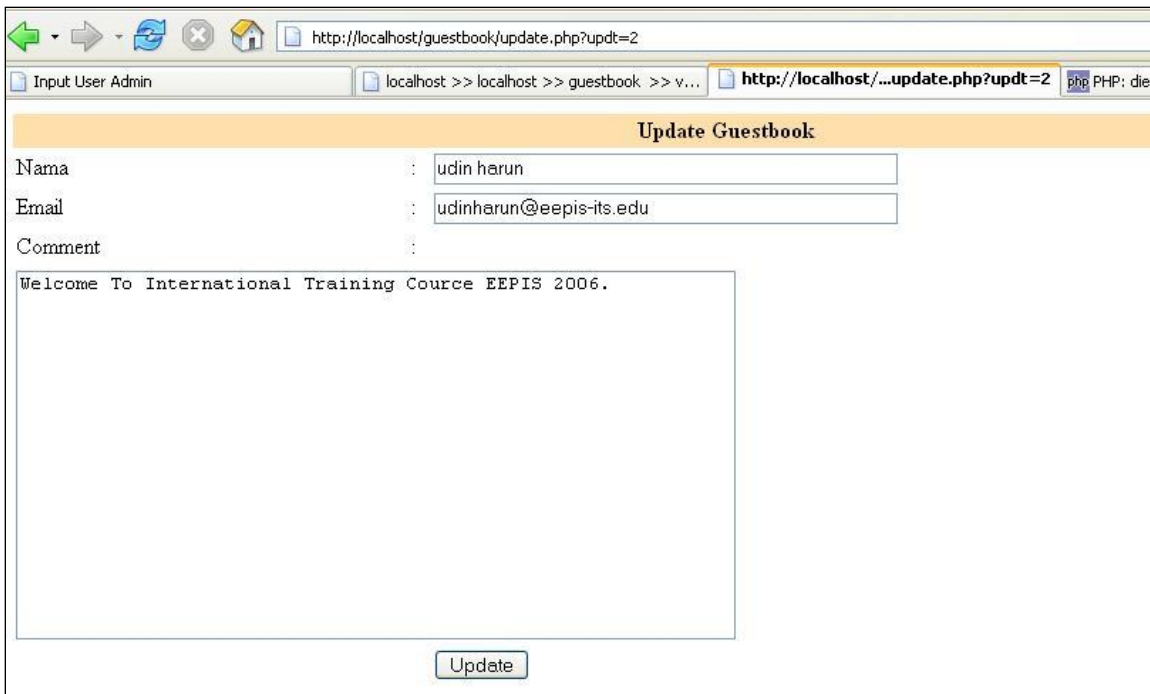
$id    = $_GET['updt'];
$query = "SELECT * FROM visitors WHERE id = '$id'";
$result = mysql_query($query) or die('Error, query failed. ' . mysql_error());
$row = mysql_fetch_array($result);
list($id, $name, $email, $content, $date, $ip) = $row;
?>
    <form method="post" name="updateform" id="updateform">
    <table width="100%" border="0" align="center" cellpadding="2" cellspacing="2"
class="content">
    <tr bgcolor="#FFDFAA">
    <td colspan="3"><div align="center"><strong>Update Guestbook </strong></div></td>
    </tr>
    <tr>
    <td width="27%" align="left" valign="top">Nama</td>
    <td width="2%" align="center" valign="top">:</td>
```

```

        <td width="71%" valign="top"><input name="tname" type="text" id="tname" size="50"
maxlength="100" value="<?=$name;?>">
        <input name="id" type="hidden" id="id" value="<?=$id;?>"></td>
    </tr>
    <tr>
        <td align="left" valign="top">Email</td>
        <td align="center" valign="top">:</td>
        <td valign="top"><input name="temail" type="text" id="temail" size="50" maxlength="50"
value="<?=$email;?>"></td>
    </tr>
    <tr>
        <td align="left" valign="top">Comment</td>
        <td align="center" valign="top">:</td>
        <td valign="top">&nbsp;</td>
    </tr>
    <tr>
        <td colspan="3" align="left" valign="top"><textarea name="tcontent" cols="60" rows="15"
id="tcontent"><?=$content;?>
        </textarea></td>
    </tr>
    <tr>
        <td align="left" valign="top">&nbsp;</td>
        <td align="center" valign="top">&nbsp;</td>
        <td valign="top"><input name="btnUpdate" type="submit" class="box" id="btnUpdate"
value="Update"></td>
    </tr>
</table>
</form>
<p></p>

```

View at Browser :



10. File logout.php

Script php for logout data

Script logout.php

```
-----
<?
    include 'config.php';
    session_start();

    $_SESSION['sadmin_username']='';
    $_SESSION['sadmin_nama']='';
    header( 'location: index.php' );

    mysql_close($conn);
?>
-----
```

```

<?
if(isset($_GET['id']))
{
    include 'library/config.php';
    include 'library/opendb.php';

    $id      = $_GET['id'];
    $query   = "SELECT name, type, size, content FROM upload WHERE id = '$id'";
    $result  = mysql_query($query) or die('Error, query failed');
    list($name, $type, $size, $content) = mysql_fetch_array($result);

    header("Content-Disposition: attachment; filename=$name");
    header("Content-length: $size");
    header("Content-type: $type");
    echo $content;

    include 'library/closedb.php';
    exit;
}

?>
<html>
<head>
<title>Download File From MySQL</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<?
include 'library/config.php';
include 'library/opendb.php';

$query = "SELECT id, name FROM upload";
$result = mysql_query($query) or die('Error, query failed');
if(mysql_num_rows($result) == 0)
{
    echo "Database is empty <br>";
}
else
{
    while(list($id, $name) = mysql_fetch_array($result))
    {
        ?>
        <a href="download.php?id=<?=$id;?>"><?=$name;?></a> <br>
        <?
        }
    }
    include 'library/closedb.php';
    ?>
</body>
</html>

<?php
error_reporting(E_ALL);
if(isset($_GET['id']))
{
    include 'library/config.php';

```

```
include 'library/opendb.php';

$id      = $_GET['id'];
$query   = "SELECT name, type, size, path FROM upload2 WHERE id = '$id'";
$result  = mysql_query($query) or die('Error, query failed');
list($name, $type, $size, $filePath) = mysql_fetch_array($result);

header("Content-Disposition: attachment; filename=$name");
header("Content-length: $size");
header("Content-type: $type");

readfile($filePath);

include 'library/closedb.php';
exit;
}

?>
```



```

<html>
<head>
<title>Download File From MySQL</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<?php
include 'library/config.php';
include 'library/opendb.php';

$query = "SELECT id, name FROM upload2";
$result = mysql_query($query) or die('Error, query failed');
if(mysql_num_rows($result) == 0)
{
    echo "Database is empty <br>";
}
else
{
    while(list($id, $name) = mysql_fetch_array($result))
    {
        ?>
        <a href="download2.php?id=<?=$id;?>"><?=$name;?></a> <br>
    <?php
    }
}
include 'library/closedb.php';
?>
</body>
</html>

```

```

<html>
<head>
<title>Upload File To MySQL Database</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<style type="text/css">
<!--
.box {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12px;
    border: 1px solid #000000;
}
-->
</style>
</head>

<body>
<?
if(isset($_POST['upload']))
{
    $fileName = $_FILES['userfile']['name'];
    $tmpName   = $_FILES['userfile']['tmp_name'];
    $fileSize  = $_FILES['userfile']['size'];
    $fileType  = $_FILES['userfile']['type'];

    $fp = fopen($tmpName, 'r');
    $content = fread($fp, $fileSize);
    $content = addslashes($content);
    fclose($fp);

    if(!get_magic_quotes_gpc())
    {
        $fileName = addslashes($fileName);
    }

    include 'library/config.php';
    include 'library/opendb.php';

    $query = "INSERT INTO upload (name, size, type, content ) ".
        "VALUES ('$fileName', '$fileSize', '$fileType', '$content')";

    mysql_query($query) or die('Error, query failed');
    include 'library/closedb.php';

    echo "<br>File $fileName uploaded<br>";
}
?>
<form action="" method="post" enctype="multipart/form-data" name="uploadform">
    <table width="350" border="0" cellpadding="1" cellspacing="1" class="box">
        <tr>
            <td width="246"><input type="hidden" name="MAX_FILE_SIZE" value="2000000"><input na
me="userfile" type="file" class="box" id="userfile">
            </td>
            <td width="80"><input name="upload" type="submit" class="box" id="upload" value="
Upload  "></td>
        </tr>
    </table>
</form>

```

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

```

<html>
<head>
<title>Upload File To MySQL Database</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<style type="text/css">
<!--
.box {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12px;
    border: 1px solid #000000;
}
-->
</style>
</head>

<body>
<?
// you can change this to any directory you want
// as long as php can write to it
$uploadDir = 'C:/webroot/upload/';

if(isset($_POST['upload']))
{
    $fileName = $_FILES['userfile']['name'];
    $tmpName = $_FILES['userfile']['tmp_name'];
    $fileSize = $_FILES['userfile']['size'];
    $fileType = $_FILES['userfile']['type'];

    // the files will be saved in filePath
    $filePath = $uploadDir . $fileName;

    // move the files to the specified directory
    // if the upload directory is not writable or
    // something else went wrong $result will be false
    $result = move_uploaded_file($tmpName, $filePath);
    if (!$result) {
        echo "Error uploading file";
        exit;
    }

    include 'library/config.php';
    include 'library/opencv.php';

    if(!get_magic_quotes_gpc())
    {
        $fileName = addslashes($fileName);
        $filePath = addslashes($filePath);
    }

    $query = "INSERT INTO upload2 (name, size, type, path ) ".
        "VALUES ('$fileName', '$fileSize', '$fileType', '$filePath')";

    mysql_query($query) or die('Error, query failed : ' . mysql_error());

    include 'library/closedb.php';

    echo "<br>File uploaded<br>";
}

```

```

}
?>
<form action="" method="post" enctype="multipart/form-data" name="uploadform">
  <table width="350" border="0" cellpadding="1" cellspacing="1" class="box">
    <tr>
      <td width="246"><input type="hidden" name="MAX_FILE_SIZE" value="2000000"><input na
me="userfile" type="file" class="box" id="userfile">
      </td>
      <td width="80"><input name="upload" type="submit" class="box" id="upload" value="
Upload "></td>
    </tr>
  </table>
</form>
</body>
</html>

```



```

<html>
<head>
<title>Upload File To MySQL Database</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<style type="text/css">
<!--
.box {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12px;
    border: 1px solid #000000;
}
-->
</style>
</head>

<body>
<?
// you can change this to any directory you want
// as long as php can write to it
$uploadDir = 'C:/webroot/upload/';

if(isset($_POST['upload']))
{
    $fileName = $_FILES['userfile']['name'];
    $tmpName = $_FILES['userfile']['tmp_name'];
    $fileSize = $_FILES['userfile']['size'];
    $fileType = $_FILES['userfile']['type'];

    // get the file extension first
    $ext = substr(strrchr($fileName, "."), 1);

    // generate the random file name
    $randName = md5(rand() * time());

    // and now we have the unique file name for the upload file
    $filePath = $uploadDir . $randName . '.' . $ext;

    // move the files to the specified directory
    // if the upload directory is not writable or
    // something else went wrong $result will be false
    $result = move_uploaded_file($tmpName, $filePath);
    if (!$result) {
        echo "Error uploading file";
        exit;
    }

    include 'library/config.php';
    include 'library/opendb.php';

    if(!get_magic_quotes_gpc())
    {
        $fileName = addslashes($fileName);
        $filePath = addslashes($filePath);
    }

    $query = "INSERT INTO upload2 (name, size, type, path ) ".
        "VALUES ('$fileName', '$fileSize', '$fileType', '$filePath')";

```

```

mysql_query($query) or die('Error, query failed : ' . mysql_error());

include 'library/closedb.php';

echo "<br>File uploaded<br>";
}
?>
<form action="" method="post" enctype="multipart/form-data" name="uploadform">
  <table width="350" border="0" cellpadding="1" cellspacing="1" class="box">
    <tr>
      <td width="246"><input type="hidden" name="MAX_FILE_SIZE" value="2000000"><input na
me="userfile" type="file" class="box" id="userfile">
      </td>
      <td width="80"><input name="upload" type="submit" class="box" id="upload" value="
Upload  "></td>
    </tr>
  </table>
</form>
</body>
</html>

```


PAGING

Contoh Tampilan Design Paging

EditRegionWIC

Search Human Resource

Nama

Cari

List Human Resource

No.	Nama	Pendidikan	Universitas	Kompetensi
<div>php</div>	<div>php</div>	<div>php</div>	<div>php</div>	<div>php</div>

php php

Search Human Resource

Nama

Total jumlah Human Resource: 410

List Human Resource

No	Nama	Pendidikan	Universitas	Kompetensi
1	Ahmad Haris Ubaidillah	D4	PENS-ITS	Programming
2	Benny Susanto	D4	PENS-ITS	dekstop programming : VB6,Java,C web Programming : php,jsp,asp
3	Ahmad Mubarak	D4	ITS	Programming php,java,c,vb.net
4	Prasetyo	D3	PENS ITS	networking, network administrator
5	Imam Bukhori	D3	PENS-ITS	Delphi Programming
6	Muchtar Syahroni	D3	PENS-ITS	Arus lemah/ mikrokontroler/kontrol kendali
7	Dwi Susanto	D3	PENS-ITS	- Web designer - Java
8	Bambang Ariyanto Widjaja	D4	PENS-ITS	Web Programming Java Programmer
9	Helmy Hasniawati	D4	PENS-ITS	PHP-MySQL
10	Luthfan Hadi Pramono	D4	PENS-ITS	jaringan (scial ability) design web programming

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[41](#)

Contoh source code paging :

```

<div align="center"></div>
    <p>
    <table width="50%" border="1" align="center" cellpadding="0" cellspacing="0">
    <tr>
    <td><form name="form1" method="post" action="searchsdm.php">
        <table width="100%" border="0" align="center" cellpadding="2" cellspacing="2"
class="content">
            <tr>
                <td colspan="3"><div align="center">Search Human Resource </div></td>
            </tr>
            <tr>
                <td width="30%">Nama</td>
                <td width="3%">:</td>
                <td width="67%"><input name="tcari" type="text" id="tcari" size="30"
maxlength="40"></td>
            </tr>
            <tr>
                <td>&nbsp;</td>
                <td>&nbsp;</td>
                <td><input name="btnCari" type="submit" id="btnCari" value="Cari"></td>
            </tr>
        </table>
    </form></td>
    </tr>
    </table>
    <p>
    <?
include 'config.php';
    // how many rows to show per page
    $rowsPerPage = 10;

    // by default we show first page
    $pageNum = 1;

    // if $_GET['page'] defined, use it as page number
    if(isset($_GET['page']))
    {
        $pageNum = $_GET['page'];
    }

    // counting the offset
    $offset = ($pageNum - 1) * $rowsPerPage;
    $query = "SELECT * FROM sdm ORDER BY 'id' DESC LIMIT $offset, $rowsPerPage";
    $result = mysql_query($query) or die('Error, query failed');

    //jumlah total
    $query1 = "SELECT COUNT(id) AS numrows FROM sdm";
    $result1 = mysql_query($query1) or die('Error, query failed');
    $row1 = mysql_fetch_array($result1, MYSQL_ASSOC);
    $numrows = $row1['numrows'];
    echo "Total jumlah Human Resource: $numrows";

```

```

?>
</p>
<p align="center"><strong>List Human Resource </strong></p>
<table width="90%" border="1" align="center" cellpadding="2" cellspacing="2"
class="content">
<tr valign="top" bgcolor="#FFDFAA">
<td width="4%"><div align="center"><strong>No</strong></div></td>
<td width="25%"><div align="center"><strong>Nama</strong></div></td>
<td width="15%"><div align="center"><strong>Pendidikan</strong></div></td>
<td width="19%"><div align="center"><strong> Universitas </strong></div></td>
<td width="37%"><div align="center"><strong>Kompetensi</strong></div></td>
</tr>
<?

        $no=1;
        while($hasil=mysql_fetch_array($result)) {
?>
<tr valign="top">
<td><div align="center"><? echo $no; ?></div></td>
<td><center>
<a href="detailsdm.php?id=<?=$hasil['id'];?>"><? echo $hasil['nama']; ?></a>
</center></td>
<td>
<div align="center"><? echo $hasil['pendidikan']; ?></div></td>
<td><div align="center">
<? echo $hasil['univ']; ?></div></td>
<td> <div align="left"><? echo $hasil['kompetensi']; ?></div> </td>
</tr>
<? $no++; } ?>
</table>
<?
// how many rows we have in database
$query = "SELECT COUNT(id) AS numrows FROM sdm";
$result = mysql_query($query) or die('Error, query failed');
$row = mysql_fetch_array($result, MYSQL_ASSOC);
$numrows = $row['numrows'];

// how many pages we have when using paging?
$maxPage = ceil($numrows/$rowsPerPage);

// print the link to access each page
$self = $_SERVER['PHP_SELF'];
$nav = "";
for($page = 1; $page <= $maxPage; $page++)
{
    if ($page == $pageNum)
    {
        $nav .= " $page "; // no need to create a link to current page
    }
    else

```

```

    {
        $nav .= " <a href=\"\$self?page=$page\">$page</a> ";
    }
}

// creating previous and next link
// plus the link to go straight to
// the first and last page

if ($pageNum > 1)
{
    $page = $pageNum - 1;
    $prev = " <a href=\"\$self?page=$page\">[Prev]</a> ";

    $first = " <a href=\"\$self?page=1\">[First Page]</a> ";
}
else
{
    $prev = '&nbsp;'; // we're on page one, don't print previous link
    $first = '&nbsp;'; // nor the first page link
}

if ($pageNum < $maxPage)
{
    $page = $pageNum + 1;
    $next = " <a href=\"\$self?page=$page\">[Next]</a> ";

    $last = " <a href=\"\$self?page=$maxPage\">[Last Page]</a> ";
}
else
{
    $next = '&nbsp;'; // we're on the last page, don't print next link
    $last = '&nbsp;'; // nor the last page link
}

// print the navigation link
echo "<center>$first "." $prev "." $nav "." $next "." $last</center>";
    ?>
    <?
mysql_close($conn);
?>

```

Praktikum penerapan session, pernyataan include

Form Login

1. Login tanpa database

User Id	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Login"/>

login1.php : form login

```
<?php
// we must never forget to start the session
session_start();

$errorMessage = "";
if (isset($_POST['txtUserId']) && isset($_POST['txtPassword'])) {
    // check if the username and password combination is correct
    if ($_POST['txtUserId'] === 'admin' && $_POST['txtPassword'] === 'udinharun') {
        // the username and password match,
        // set the session
        $_SESSION['basic_is_logged_in'] = true;

        // after login we move to the main page
        header('Location: main1.php');
        exit;
    } else {
        $errorMessage = 'Sorry, wrong username / password';
    }
}
?>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<title>Login Form</title>
<style type="text/css">
<!--
.style5 {
    color: #0000FF;
    font-weight: bold;
}
-->
</style>
</head>

<body>
<?php
if ($errorMessage != ""){
```

```

?>
<p><div align="center"><span class="style5"><?php echo $errorMessage; ?>
</span> </p>
<?php
}
?>

</div>
</div>
<form action="" method="post" name="frmLogin" id="frmLogin">
<table width="400" border="1" align="center">
<tr>
<th width="160" scope="col"><div align="left">User Id </div></th>
<th width="224" scope="col"><div align="left">
<input name="txtUserId" type="text" id="txtUserId">
</div></th>
</tr>
<tr>
<td><div align="left">Password</div></td>
<td><div align="left">
<input name="txtPassword" type="password" id="txtPassword">
</div></td>
</tr>
<tr>
<td>&nbsp;</td>
<td><input name="btnLogin" type="submit" id="btnLogin" value="Login"></td>
</tr>
</table>
</form>
</body>
</html>

```

main1.php

```

<?php
// like i said, we must never forget to start the session
session_start();

// is the one accessing this page logged in or not?
if (!isset($_SESSION['basic_is_logged_in']) || $_SESSION['basic_is_logged_in'] !== true) {
    // not logged in, move to login page
    header('Location: login1.php');
    exit;
}

?>
<html>

```

```
<head>
<title>Main User Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<p>This is the main application page. You are free to play around here since you
are an authenticated user :-) </p>
<p>&nbsp;</p>
<p><a href="logout1.php">Logout</a> </p>
</body>
</html>
```

logout1.php

```
<?php
// i will keep yelling this
// DON'T FORGET TO START THE SESSION !!!
session_start();

// if the user is logged in, unset the session
if (isset($_SESSION['basic_is_logged_in'])) {
    unset($_SESSION['basic_is_logged_in']);
}

// now that the user is logged out,
// go to login page
header('Location: login1.php');
?>
```

2. Login menggunakan database

SQL tabel user :

```
CREATE TABLE `tbl_auth_user` (
  `user_id` varchar(10) NOT NULL default "",
  `user_password` varchar(32) NOT NULL default "",
  PRIMARY KEY (`user_id`)
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

login2.php

```
<?php
// we must never forget to start the session
session_start();

$errorMessage = "";
if (isset($_POST['txtUserId']) && isset($_POST['txtPassword'])) {
    include 'library/config.php';
    include 'library/opendb.php';

    $userId = $_POST['txtUserId'];
    $password = $_POST['txtPassword'];

    // check if the user id and password combination exist in database
    $sql = "SELECT user_id
            FROM tbl_auth_user
            WHERE user_id = '$userId' AND user_password = PASSWORD('$password')";

    $result = mysql_query($sql) or die('Query failed. ' . mysql_error());

    if (mysql_num_rows($result) == 1) {
        // the user id and password match,
        // set the session
        $_SESSION['db_is_logged_in'] = true;

        // after login we move to the main page
        header('Location: main2.php');
        exit;
    } else {
        $errorMessage = 'Sorry, wrong user id / password';
    }

    include 'library/closedb.php';
}
?>
<html>
<head>
<title>Basic Login</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<?php
if ($errorMessage != "") {
?>
<p align="center"><strong><font color="#990000"><?php echo $errorMessage;
?></font></strong></p>
<?php
```



```

}
?>
<form action="" method="post" name="frmLogin" id="frmLogin">
<table width="400" border="1" align="center" cellpadding="2" cellspacing="2">
<tr>
<td width="150">User Id</td>
<td><input name="txtUserId" type="text" id="txtUserId"></td>
</tr>
<tr>
<td width="150">Password</td>
<td><input name="txtPassword" type="password" id="txtPassword"></td>
</tr>
<tr>
<td width="150">&nbsp;</td>
<td><input name="btnLogin" type="submit" id="btnLogin" value="Login"></td>
</tr>
</table>
</form>
</body>
</html>

```

main2.php

```

<?php
// like i said, we must never forget to start the session
session_start();

// is the one accessing this page logged in or not?
if (!isset($_SESSION['basic_is_logged_in']) || $_SESSION['basic_is_logged_in'] !== true) {
    // not logged in, move to login page
    header('Location: login2.php');
    exit;
}

?>
<html>
<head>
<title>Main User Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<p>Main 2 Sukses - login dengan database <br>
This is the main application page. You are free to play around here since you
are an authenticated user :-)</p>
<p>&nbsp;</p>
<p><a href="logout2.php">Logout</a></p>
</body>
</html>

```

File di dalam direktori 'library :'

config.php

```
<?php
// This is an example of config.php
$dbhost = 'localhost';
$dbuser = 'user';
$dbpass = 'password';
$dbname = 'database';
?>
```

opendb.php

```
<?php
$conn = mysql_connect($dbhost, $dbuser, $dbpass) or die ('Error connecting to mysql');
mysql_select_db($dbname);
?>
```

closedb.php

```
<?php
mysql_close($conn);
?>
```