

## Guestbook System

### PHP Tutorial – Guestbook System

System flow chart

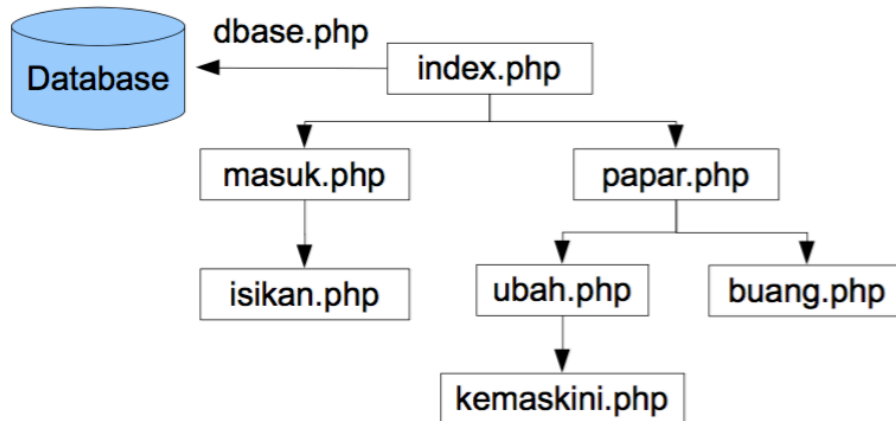


Figure 1: Guestbook system structure

Table 1: Description of each PHP file

File Name	Description
index.php	Homepage of the guestbook system
dbase.php	To connect between php scripting and database
masuk.php	Interface of insert data
isikan.php	To insert data of masuk.php into database
papar.php	To display all information of database
ubah.php	Interface of update data
kemaskini.php	To update data of ubah.php into database
buang.php	To delete one particular data

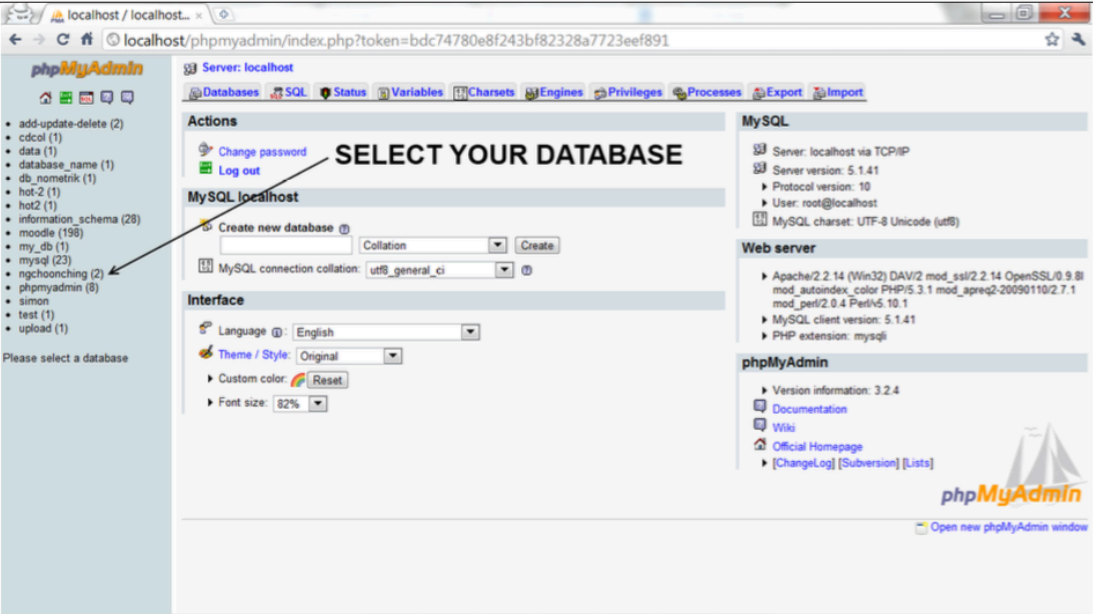
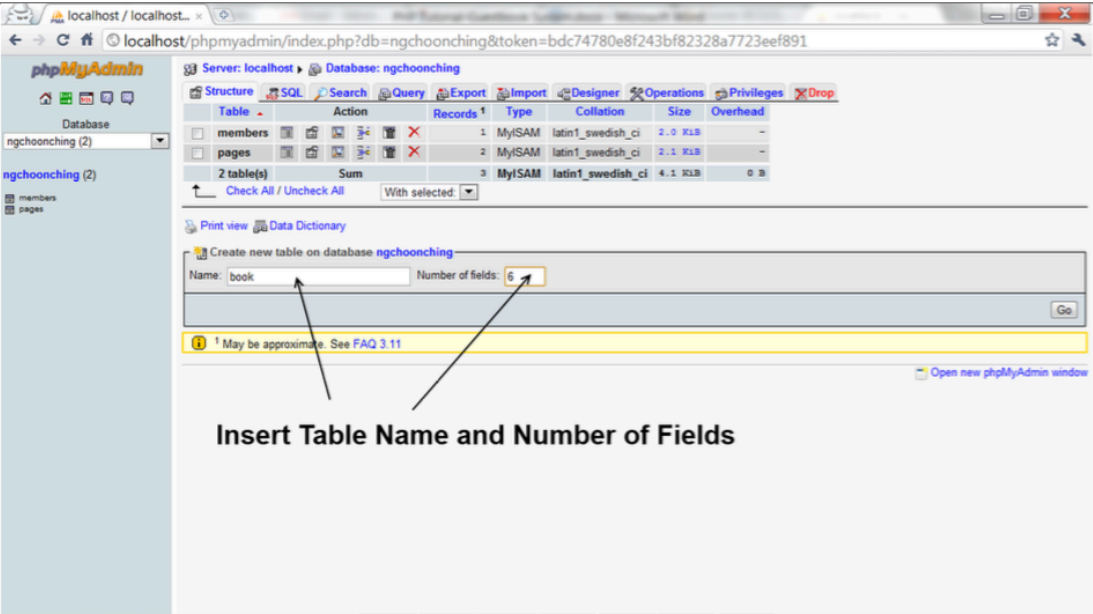
### Creating database of guestbook

a) First method – Run SQL Query

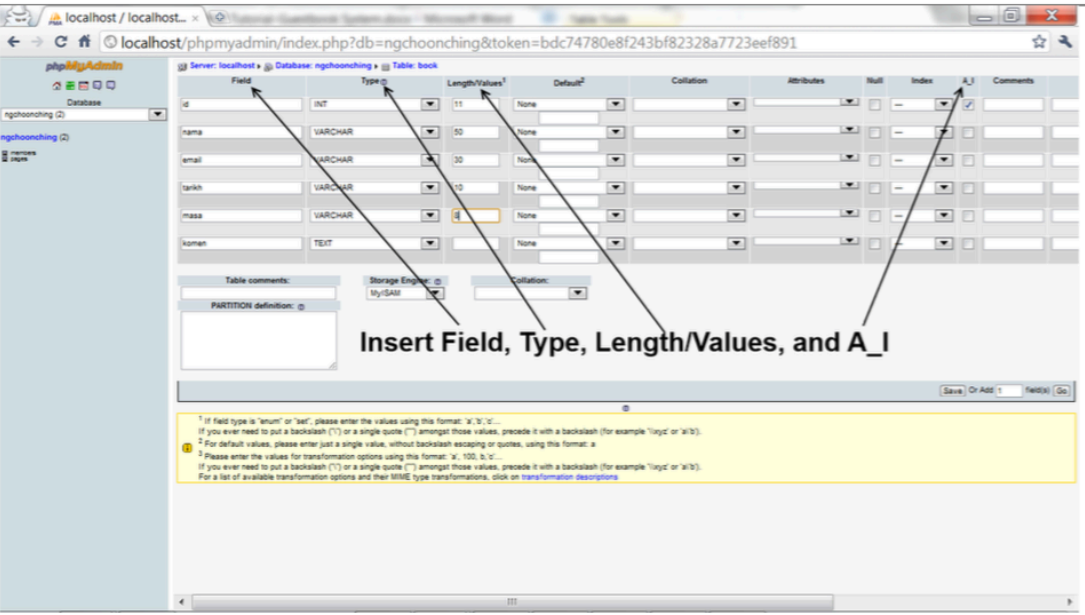
```

CREATE TABLE book (
  id int(11) NOT NULL auto increment,
  nama varchar(50) NOT NULL,
  email varchar(30) NOT NULL,
  tarikh varchar(10) NOT NULL,
  masa varchar(8) NOT NULL,
  komen text NOT NULL,
  PRIMARY KEY (id)
);
  
```

b) Second method – Using phpMyAdmin GUI

Step	Action
1	
2	 <p style="text-align: center;"><b>Insert Table Name and Number of Fields</b></p>

3



localhost / localhost...  
localhost/phpmyadmin/index.php?db=ngchoonching&token=bdc74780e8f243bf82328a7723eef891

phpMyAdmin  
Server: localhost • Database: ngchoonching • Table: book

Field	Type	Length/Values <sup>1</sup>	Default <sup>2</sup>	Collation	Attributes	Null	Index	A_I	Comments
id	INT	11	None			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
nama	VARCHAR	50	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR	30	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
tarikh	VARCHAR	10	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
masa	VARCHAR	4	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
komen	TEXT		None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Table comments:  
PARTITION definition:

Storage Engine: MyISAM Collation:

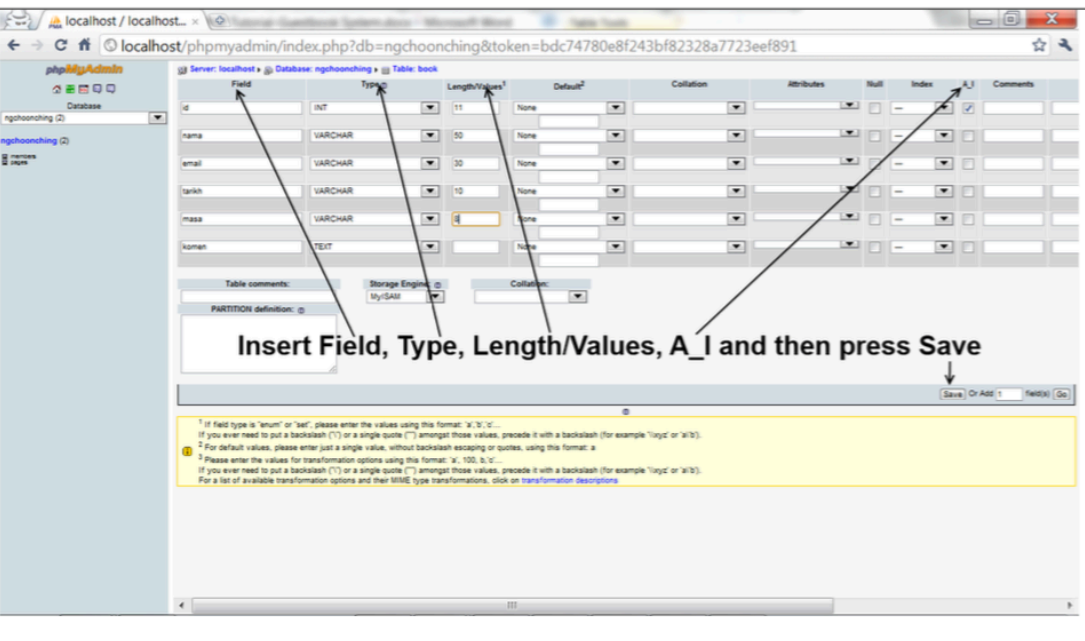
(Save) Or Add 1 field(s) (Go)

**Insert Field, Type, Length/Values, and A\_I**

1 If field type is 'enum' or 'set', please enter the values using the format: 'x', 'y', 'z'.  
If you ever need to put a backslash (\) or a single quote (') amongst those values, precede it with a backslash (for example '\xyz' or 'x\'y').  
2 For default values, please enter just a single value, without backslash escaping or quotes, using the format: a  
3 Please enter the values for transformation options using this format: 'x', 100, b, 'c'.  
If you ever need to put a backslash (\) or a single quote (') amongst those values, precede it with a backslash (for example '\xyz' or 'x\'y').  
For a list of available transformation options and their MySQL type transformations, click on [transformation descriptions](#)

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localhost / localhost...  
localhost/phpmyadmin/index.php?db=ngchoonching&token=bdc74780e8f243bf82328a7723eef891

phpMyAdmin  
Server: localhost • Database: ngchoonching • Table: book

Field	Type	Length/Values <sup>1</sup>	Default <sup>2</sup>	Collation	Attributes	Null	Index	A_I	Comments
id	INT	11	None			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
nama	VARCHAR	50	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR	30	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
tarikh	VARCHAR	10	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
masa	VARCHAR	4	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
komen	TEXT		None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Table comments:  
PARTITION definition:

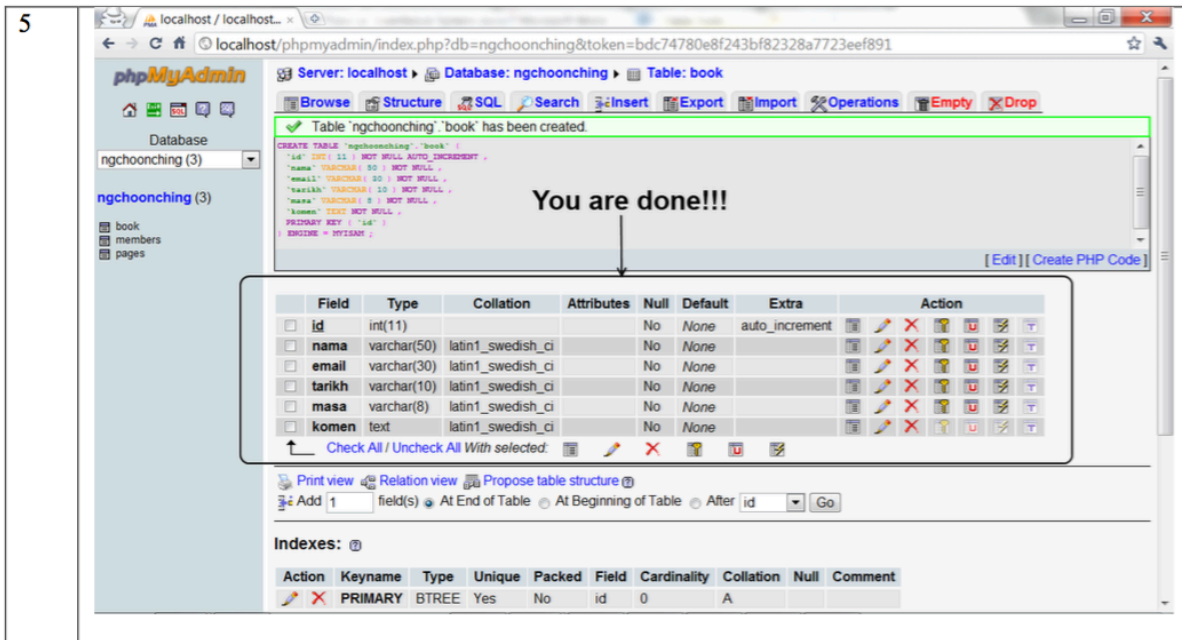
Storage Engine: MyISAM Collation:

(Save) Or Add 1 field(s) (Go)

**Insert Field, Type, Length/Values, A\_I and then press Save**

1 If field type is 'enum' or 'set', please enter the values using the format: 'x', 'y', 'z'.  
If you ever need to put a backslash (\) or a single quote (') amongst those values, precede it with a backslash (for example '\xyz' or 'x\'y').  
2 For default values, please enter just a single value, without backslash escaping or quotes, using the format: a  
3 Please enter the values for transformation options using this format: 'x', 100, b, 'c'.  
If you ever need to put a backslash (\) or a single quote (') amongst those values, precede it with a backslash (for example '\xyz' or 'x\'y').  
For a list of available transformation options and their MySQL type transformations, click on [transformation descriptions](#)

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Server: localhost Database: ngchoonching Table: book

Table 'ngchoonching`.`book' has been created.

**You are done!!!**

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	id	int(11)		No	None	auto_increment	
<input type="checkbox"/>	nama	varchar(50)	latin1_swedish_ci	No	None		
<input type="checkbox"/>	email	varchar(30)	latin1_swedish_ci	No	None		
<input type="checkbox"/>	tarikh	varchar(10)	latin1_swedish_ci	No	None		
<input type="checkbox"/>	masa	varchar(8)	latin1_swedish_ci	No	None		
<input type="checkbox"/>	komen	text	latin1_swedish_ci	No	None		

Indexes:

Action	Keyname	Type	Unique	Packed	Field	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	id	0	A		

## Creating Server Side Scripting, PHP

### 1. Creating index file named as "index.php"

```

<!-- index.php -->
<!-- Homepage of the guestbook system. -->
<html>
<head>
<title>Guest Book</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<style type="text/css">
<!--
.style1 {font-family: Verdana, Arial, Helvetica, sans-serif}
.style3
{
font-family: Verdana, Arial, Helvetica, sans-serif;
font-size: 12px;
font-weight: bold;
}
-->
</style>
</head>

<body>
<?php
// set the default time zone to use in Malaysia
date_default_timezone_set('Asia/Kuala_Lumpur');
?>
<div align="center">
<table width="379" height="286" border="3" bordercolor="#666666">
<tr>
<td height="190" bgcolor="#999999"><p align="center" class="style1"><strong>My Guestbook</strong></p>
<div align="center">
<span class="style3">Tarikh : <?php echo date("d-m-Y"); ?></span>
</div>
<p align="center" class="style1"></p>
<div align="center">
<span class="style3">Masa : <?php echo date("H:i", time()); ?></span>
</div>
<p align="center" class="style1">
[ <a href="masuk.php">Masuk Data Baru</a> | <a href="papar.php">Papar Data</a> ]
</p>
</td>
</tr>
</table>
<p class="style1">&nbsp;</p>
</div>
</body>
</html>

```

## 2. Creating database connection scripting named as “dbase.php”

```
<!-- dbase.php -->
<!-- To connect between php scripting and database. -->
<?php

define("DATABASE_HOST", "localhost");
define("DATABASE_USER", "root");
define("DATABASE_PASSWORD", "password");

// To establish a connection to database and save in $conn
$conn = mysql_connect(DATABASE_HOST,DATABASE_USER, DATABASE_PASSWORD);

// If connection failed then display mysql error
if (!$conn){
    die( "Could not connect to database" );
}

// To select one particular database to be used
mysql_select_db("ngchoonching", $conn) or die( "Could not open products database" );

// set the default time zone to use in Malaysia
date_default_timezone_set('Asia/Kuala_Lumpur');
?>
```

## 3. Creating insert page interface named as “masuk.php”

```
<!-- masuk.php -->
<!-- Interface of insert data. -->
<html>
<head>
<title>Buku Pelawat Saya</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
</head>

<body bgcolor="#FFFFFF" text="#000000">
<form method="post" action="isikan.php">
    Nama :
    <input type="text" name="nama" size="40">
    <br>
    Email :
    <input type="text" name="email" size="25">
    <br>
    Catatan :<br>
    <textarea name="komen" cols="30" rows="8"></textarea>
    <br>
    <input type="submit" value="Hantar">
    <input type="reset" value="Semula">
    <br>
</form>
<hr>
<div align="center">[ <a href="papar.php">Balik ke Paparan</a> |
<a href="index.php">Balik ke Halaman Utama</a> ] </div>
</body>
</html>
```

## 4. Creating insert query scripting named as “isikan.php”

```
<!-- isikan.php -->
<!-- To insert data of masuk.php into database. -->
<?php

include("dbase.php");

// Dapatkan Tarikh Dan Masa Masuk
extract( $_POST );
$tarikh = date("d-m-Y",time());
$masa = date("H:i:s", time());
$query = "INSERT INTO book VALUES ('','$nama','$email','$tarikh','$masa','$komen')";
$result = mysql_query($query, $conn) or die("Could not execute query in isikan.php");
if($result) {
    echo "<script type='text/javascript'> window.location='papar.php' </script>";
}
?>
```

## 5. Creating display page named as “papar.php”

```
<!-- papar.php -->
<!-- To display all information of database. -->
<html>
<head>
<title>Papararan Buku Pelawat Saya</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
</head>

<body bgcolor="#FFFFFF" text="#000000">
<ol>
<?php
include("dbase.php");

$query = "SELECT * FROM book";
$result = mysql_query($query, $conn);

while($row = mysql_fetch_array($result)) {
$id = $row["id"];
$name = $row["nama"];
$email = $row["email"];
$tarikh = $row["tarikh"];
$masa = $row["masa"];
$komen = $row["komen"];
?>
<li>
Nama : <?php echo $name; ?><br>
Email : <?php echo $email; ?><br>
Tarikh / Masa : <?php echo "$tarikh / $masa"; ?><br>
Catatan : <?php echo nl2br($komen); ?><br>
Tindakan : <a href="ubah.php?id=<?php echo $id; ?>">Ubah</a>
/ <a href="buang.php?id=<?php echo $id; ?>">Padam</a>
<hr>
</li>
<?php
}
?>
</ol>
<div align="center">[ <a href="index.php">Balik ke Halaman Utama</a> |
<a href="masuk.php">Tambah Buku Pelawat</a> ] </div>
</body>
</html>
```

## 6. Creating update query scripting named as “kemaskini.php

```
<!-- kemaskini.php -->
<!-- To update data of ubah.php into database. -->
<?php
include("dbase.php");

extract( $_POST );

// Dapatkan Tarikh Dan Masa Masuk
$tarikh = date("d-m-Y", time());
$masa = date("H:i:s", time());

$query = "UPDATE book SET nama = '$nama', email = '$email', tarikh = '$tarikh', ".
"masa = '$masa', komen = '$komen' WHERE id = '$id'";

$result = mysql_query($query, $conn) or die("Could not execute query in kemaskini.php");
if($result) {
echo "<script type='text/javascript'> window.location='papar.php' </script>";
}
?>
```

## 7. Creating update page interface named as “ubah.php”

```

<!-- ubah.php -->
<!-- Interface of update data. -->
<?php
include("dbase.php");

$idURL = $_GET['id'];

$query = "SELECT * FROM book WHERE id = '$idURL'";
$result = mysql_query($query, $conn) or die("Could not execute query in ubah.php");
$row = mysql_fetch_array($result, MYSQL_BOTH); // using numeric index or array index

$name = $row['nama'];
$email = $row['email'];
$komen = $row['komen'];

@mysql_free_result($result);
?>
<html>
<head>
<title>Buku Pelawat Saya</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
</head>

<body bgcolor="#FFFFFF" text="#000000">
<form method="post" action="kemaskini.php">
  Nama :
  <input type="text" name="nama" size="40" value="<?php echo $name; ?>">
  <br>
  Email :
  <input type="text" name="email" size="25" value="<?php echo $email; ?>">
  <br>
  Catatan :<br>
  <textarea name="komen" cols="30" rows="8"><?php echo $komen; ?></textarea>
  <br>
  <input type="hidden" name="id" value="<?php echo $idURL; ?>">
  <input type="submit" value="Ubah">
  <input type="reset" value="Semula">
  <br>
</form>
<hr>
<div align="center">[ <a href="papar.php">Balik ke Paparan</a> |
<a href="index.php">Balik ke Halaman Utama</a> |
<a href="masuk.php">Tambah Buku Pelawat</a> ] </div>
</body>
</html>

```

## 8. Creating delete query scripting named as “buang.php”

```

<!-- buang.php -->
<!-- To delete one particular data. -->
<?php
include("dbase.php");

// Use method $ GET to retrieve data from url
$idURL = $_GET['id'];

$query = "DELETE FROM book WHERE id = '$idURL'";
$result = mysql_query($query, $conn);

if($result) {
  echo "<script type='text/javascript'> window.location='papar.php' </script>";
}
?>

```