

**A T I B**

PHP Form + MySQL

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References: [w3schools.com](http://w3schools.com)

# PHP Form

- Form:
  - To process user input (textbox, combo box, radio, etc)
  - Examples: Login, Guest book, all other input methods in web programming
  - Contains:
    - Input fields (textbox, combo box, radio, textarea, etc)
    - Submit button
    - Reset button (optional)

# PHP Form

- Form:
  - Need at least two php files:
    - PHP to load the form
    - PHP to process the form

Guest Book

Write Comment

Name:	<input type="text"/>
Email:	<input type="text"/>
Website:	<input type="text"/>
Comment:	<input type="text"/>
Write this text	 <input type="text"/>
	<input type="submit" value="Submit"/>

# PHP to Load Form

- Form:
  - Format:

```
<form name="form_name" method="POST"
action="other_file.php">
    your input fields and submit button here
</form>
```
  - Attribute:
    - Name: your form name.
    - Method: POST or GET. But in this case, you will use POST
    - Action: the file that will process your form

# PHP To Load Form

- Input:
  - Textbox:

```
<input type="text" name="textbox_name" value="">
```
  - Combo box:

```
<select name="select_name">  
  <option value="orange">Orange</option>  
  <option value="melon">Melon</option>  
</select>
```
  - Submit Button:

```
<input type="Submit" name="Submit" value="Submit">
```
  - Reset Button:

```
<input type="Reset" name="Reset" value="Reset">
```

# PHP To Process Form

- Simple: get Input, place it into variable:
  - Make sure you have the same name with the input fields

```
<?php
    $kode_barang = $_POST['kode_barang'];
    $nama_barang = $_POST['nama_barang'];

    echo "$kode_barang - $nama_barang";
?>
```

- Save this code as form.php (at your htdocs folder)

```
<html>
  <head><title>My first form</title></head>
  <body>
    <form name="myForm" action="show.php" method="post">
      <table>
        <tr>
          <td>Kode barang:</td>
          <td><input type="text" name="kode_barang" value=""></td>
        </tr>
        <tr>
          <td>Nama barang:</td>
          <td><input type="text" name="nama_barang" value=""></td>
        </tr>
        <tr>
          <td></td>
          <td>
            <input type="Submit" name="Submit" value="Submit">
            <input type="Reset" name="reset" value="Reset">
          </td>
        </tr>
      </table>
    </form>
  </body>
</html>
```

- Save this code as show.php (at your htdocs folder)

```
<?php
    //get all input
    $kode_barang=$_POST['kode_barang'];
    $nama_barang=$_POST['nama_barang'];
?>

<html>
    <head><title>My first form</title></head>
    <body>
        <table>
            <tr><td>Kode barang:</td>
                <td><?php echo $kode_barang;?>
            </td>
        </tr>
            <tr><td>Nama barang:</td>
                <td><?php echo $nama_barang;?>
            </td>
        </tr>
        </table>
    </body>
</html>
```



# PHP Form

- Adjust them for your project!!!
- Add/remove the fields in the forms and processing file

# MySQL

- Without database, we cannot save the inputs.
  - All will gone after you move from page
- With database, we can keep user input to be shown/process later
- MySQL:
  - Free
  - Most popular database in web based programming
  - Available on XAMPP

# MySQL

- First:
  - Design your data structure:
  - Table name: Barang
  - Fields:
    - Kode barang: varchar (200)
    - Nama barang: varchar (400)
    - Stock: Integer
- Second:
  - Open [localhost/phpmyadmin](http://localhost/phpmyadmin)
  - Create new database
  - Create table

## MySQL localhost

Create new database ?

Collation

Create



MySQL connection collation:

utf8\_general\_ci



# MySQL

Server: localhost Database: atib\_nim

Structure

SQL

Search

Query

Export

Import

Designer

Operations

Privileges

Drop

✓ Database atib\_nim has been created.

```
CREATE DATABASE `atib_nim` ;
```

[ Edit ] [ Create PHP Code ]

No tables found in database.

Create new table on database atib\_nim

Name: barang

Number of fields: 3

Go

# MySQL

- Create your table and fields

Server: localhost Database: atib\_nim Table: barang

Field	kode_barang	nama_barang	stock
Type	VARCHAR	VARCHAR	INT
Length/Values <sup>1</sup>	200	400	
Default <sup>2</sup>	None	None	None
Collation			
Attributes			
Null	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Index	--	--	--
AUTO_INCREMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
MIME type			
Browser transformation			
Transformation options <sup>3</sup>			

Table comments:

Storage Engine: MyISAM Collation:

PARTITION definition:

Save

# MySQL

- Adjust it for your project!!!
- Homework:
  - PHP Forms and database based on your project
- Next session:
  - Connecting PHP + MySQL
  - Three pillars of programming:
    - Statement
    - If Then Else
    - Looping