

Web Design and Development

PHP Form Proccessing



Name

Muhammad Baihaqi Aulia Asy'ari

NIM

2241720145

Class

2I

Department

Information Technology

Study Program

D4 Informatics Engineering

1. -

1.1 -

You are not an adult or could not found variable age.

Isset can check wether or not a variable has been set

1.2 -

You are not an adult or could not found variable age.
Name: Jane

Isset can check the existence of a value of a certain key in an assosiative array

2. -

2.1 -

The array is undefined or empty

The empty() function return a boolean value after checking if the variable in the parameter is empty or not

2.2 -

The array is undefined or empty
The variable is undefined or empty

The empty() function return a boolean value after checking if the variable in the parameter is undefined or not

3. -

3.1 -

Form Input PHP

Name:

Email:

Name: Muhammad Baihaqi Aulia Asy'ari

Email: baihaqilearning@gmail.com

When a post form is submitted the action can process the data posted by the form

3.2 -

Form Input PHP

Name:

Form Input PHP

Name: Name must be filled!

Form Input PHP

Data has been successfully saved

Name:

Now when a post form is submitted the action call the self php

4. -

4.1 -

```
<!-- // ! Experiment 4 - HTML Injection -->
<!-- // * 4.1 -->
<!DOCTYPE html>
<html>
  <head>
    <title>Secure HTML</title>
    <style>
      html {
        border: 3px solid black;
      }
    </style>
  </head>
  <body>
    <h2>Secure HTML</h2>
    <?php
    $input;
    if ($_SERVER['REQUEST_METHOD'] == 'POST') {
      if (empty($input)) {
        $input = $_POST['input'];
        $input = htmlspecialchars($input, ENT_QUOTES,
        ↪ 'UTF-8');
        echo $input;
      }
    }
    ?>
    <form action="<?php echo
    ↪ htmlspecialchars($_SERVER['PHP_SELF']); ?>"
    ↪ method="post">
      <label for="input">Input:</label>
      <input type="text" name="input" id="input">
      <input type="submit" value="Submit">
    </form>
  </body>
</html>
```

Secure HTML

Input:

Secure HTML

<script>alert('HACKED')</script>
Input:

with the htmlspecialchars() function the html is now protected from injection

4.2 -

```
<!-- // * 4.2 -->
<head>
  <title>Secure HTML</title>
  <style>
    html {
      border: 3px solid black;
    }
  </style>
</head>
<h2>Secure HTML</h2>
<?php
$email;
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $email = $_POST['email'];
    if (isset($input)) {
        if (filter_var($email, FILTER_VALIDATE_EMAIL)) {
            echo $email;
        } else {
            echo "Email invalid";
        }
    }
}
?>
<form action="<?php echo
→ htmlspecialchars($_SERVER['PHP_SELF']); ?> "
→ method="post">
  <label for="email">Email:</label>
  <input type="email" name="email" id="email">
  <input type="submit" value="Submit">
</form>
```

Secure HTML

Email:

Secure HTML

baihaqilearning@gmail.com
Email:

Secure HTML

baihaqilearning@gmail.com

Email:

Secure HTML

Email invalid

Email:

If an email is invalid it return false which we can use to print out an error message

5. -

5.1 -

Small case letter founded

The RegEx allows us to check whether or not a certain letter or group of letter exist in a variable

5.2 -

Matches: 123

The RegEx allows us to check pattern of number in a variable

5.3 -

I like banana pie

The RegEx allows us to check a specific pattern of string that we can replace with a function with another string.

5.4 -

Matches: god

The RegEx allows us to check a pattern that begin with the sequence of letters 'go' and end with the sequence of letters 'd' wheter or not there is a letter or sequence of letters between them.

5.5 -

Matches: god

The RegEx allows us to check a pattern that begin with the sequence of letters 'go' and end with the sequence of letters 'd' wheter or not there is a letter between them.

5.6 -

Matches: good

The RegEx allows us to check a pattern that begin with the sequence of letter 'go' and end with the sequence of letter 'd' wheter or not there is a sequence of letters between them in a min and max range amount of letters set by the n as min and m as max. in this case i use 2,3

6. -

6.1 -

Form Contoh
Choose a fruit:
Choose your favorite color:
☐ Red
☐ Blue
☐ Green
Choose a gender:
☒ Male
☐ Female

You have choosen these fruit: apple
You have not choose any color.
Your gender is: male

The form switches page when the submit button is pressed

6.2 -

Example Form

Choose a Fruit:

Choose your favorite color:

☐ Red

☐ Blue

☐ Green

Choose a gender:

☒ Male

☐ Female

You have choosen these fruit: apple

You have not choose any color.

Your gender is: male

The form doesnt switch page since the JQuery grap the response of the proccess file