

# Web Design and Development

## PHP Form Proccessing



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2I

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**Study Program**

D4 Informatics Engineering

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1. -

1.1 -

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

isset can check whether 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 associative array

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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

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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

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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

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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

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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>
```



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## Secure HTML

Email:

## Secure HTML

baihaqilearning@gmail.com  
Email:

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## 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

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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