Web Design and Development PHP Form Processing



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> > Class 2I

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Study ProgramD4 Informatics Engineering

1.	-				

l.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

3.1

Form Input PHP

Name: Muhammad Baihaqi Aulia A

Email: baihaqilearning@gmail.com

Submit

Name: Muhammad Baihaqi Aulia Asy'ari

Email: baihaqilearning@gmail.com

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

Form Input PHP

Name:

Submit

Form Input PHP

Name: Name must be filled!

Submit

Form Input PHP

Data has been successfully saved
Name:

Submit

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: | <script>alert('HACKED')</sc| | Submit</pre>

Secure HTML

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

with the htmlspecial chars() 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 $email;
           } else {
               echo "Email invalid";
       }
   }
   ?>
   <form action="<?php echo</pre>
    → htmlspecialchars($_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: baihaqilearning@gmail.com Submit
Secure HTML
Secure HTML baihaqilearning@gmail.com Email: Submit
baihaqilearning@gmail.com
baihaqilearning@gmail.com

Secure HTML	
baihaqilearning@gmail.com Email: what@who	Submit
Secure HTML	
Secure HTML Email invalid Email:	Submit

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

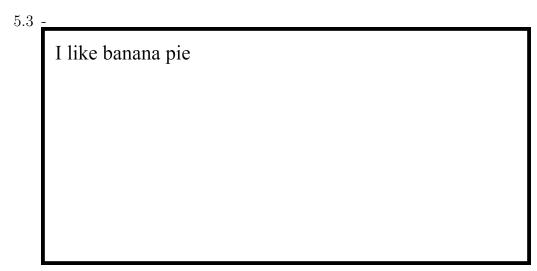
5. -

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

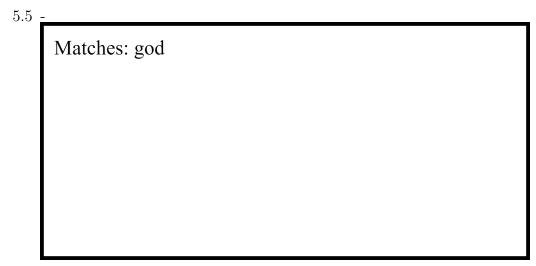
The RegEx allows us to check pattern of number in a variable



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

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.



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.

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

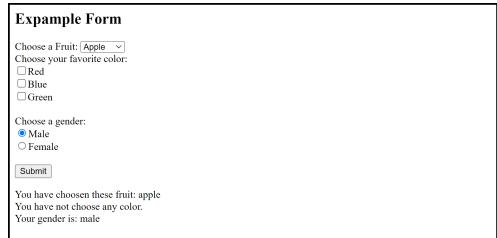
6. -

6.1

Form Contoh	
Choose a fruit: Apple Choose your favorite color: Red Blue Green	
Choose a gender: ■ Male ○ Female	
Submit	
You have choosen these fruit: apple You have not choose any color. Your gender is: male	
You have not choose any color.	

The form switches page when the submit button is pressed

6.2 _



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