



Département de Génie Informatique et Communication
Department of Information and Communication Engineering

Topic : TP14

Subject : Internet Programming

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Table of Contents

<i>GitHub Link:</i>	3
<i>Constants</i>	3
<i>String Concatenation</i>	4
<i>Arithmetic</i>	5
<i>Assignment</i>	6
<i>If else statement</i>	7
<i>Elseif statement</i>	8
<i>Switch statement</i>	9
<i>While loop</i>	10
<i>Do while loop</i>	11
<i>For loop</i>	12
<i>Foreach loop</i>	13
<i>Array</i>	14
<i>Multi-dimensional</i>	15
<i>PHP forms (Post from handling)</i>	16
<i>PHP forms (Get from handling)</i>	17
<i>Sample HTML forms</i>	17
Registration check	17
Registration form.....	18
Registration get	18
Registration post	18
<i>PHP file Upload</i>	18
PHP file upload handle.....	19
<i>PHP composer</i>	19

GitHub Link: https://github.com/yorng-tonghy/TP14_Internet_Programming

Constants

```
1 <html>
2     <?php
3         define("EMAIL", "me@example.com");
4         echo EMAIL."<br>";
5
6         define("myCon", true);
7         if(myCon){
8             echo EMAIL."<br>";
9         }
10        define("ONECONSTANT", "some value");
11
12        define("CONSTANT", "Hello world.");
13        echo CONSTANT."<br>";
14    ?>
15 </html>
```

me@example.com
me@example.com
Hello world.

String Concatenation

```
1 <html>
2     <?php
3         $like = "I like php";
4         $num = 8;
5         echo $like . $num;
6
7         echo "<p>";
8         echo $like . " " . $num;
9         echo "</p>";
10
11        echo "My favorite php version is $num";
12    ?>
13 </html>
```

I like php8

I like php 8

My favorite php version is 8

Arithmetic

```
Arithmetic.php > html
1  <html>
2  |  <?php
3  |  |  $var = 1;
4  |  |  echo $var++ . "<br>";
5  |  |  echo ++$var . "<br>";
6  |  |  echo --$var . "<br>";
7  |  |  echo $var--;
8  |  ?>
9  </html>
```

← → ⌂ ⓘ localhost/TP14/TP14_Internet_Programm

1
3
2
2

Assignment

```
Assignment.php ^  
Assignment.php > html  
1  <html>  
2      <?php  
3          $var = "value"; //constant value  
4          echo $var . "<br>";  
5  
6          $var = 1; // change to value 1  
7          echo $var . "<br>";  
8  
9          $var += 3; // change to value 4  
10         echo $var . "<br>";  
11     ?>  
12  </html>
```

value

1

4

If else statement

```
1 <html>
2   <?php
3     $date = date("m-d");
4
5     if ($date == "07-11") {
6       echo "Wishing you a very Happy Bithday";
7     }
8     else {
9       //nothing
10    }
11  ?>
12 </html>
```

← → ⌂ ⓘ localhost/TP14/TP14_Internet_Programming/if

Wishing you a very Happy Bithday

Elseif statement

```
Elseif.php > html
1   <html>
2     <?php
3       $date=date("m-d");
4
5       if ($date=="07-10") {
6         echo "Wishing you a very Happy Bithday";
7       }
8       else if ($date=="07-11") {
9         echo "Happy Independence Day";
10      }
11      else {
12        //nothing
13      }
14    
```

← → ⌂ localhost/TP14/TP14_Internet_Programming/E

Happy Independence Day

Switch statement

```
1 <html>
2     <?php
3         $myFavColor = 'red';
4         switch ($myFavColor)
5         {
6             case 'pink' :
7                 echo "My Favorite car color is pink";
8                 break;
9             case 'red' :
0                 echo "My Favorite car color is red";
1                 break;
2             case 'orange' :
3                 echo "My Favorite car color is orange";
4                 break;
5             default :
6                 echo "My Favorite car color is not pink, red, or orange!";
7         }
8     ?>
9 </html>
```



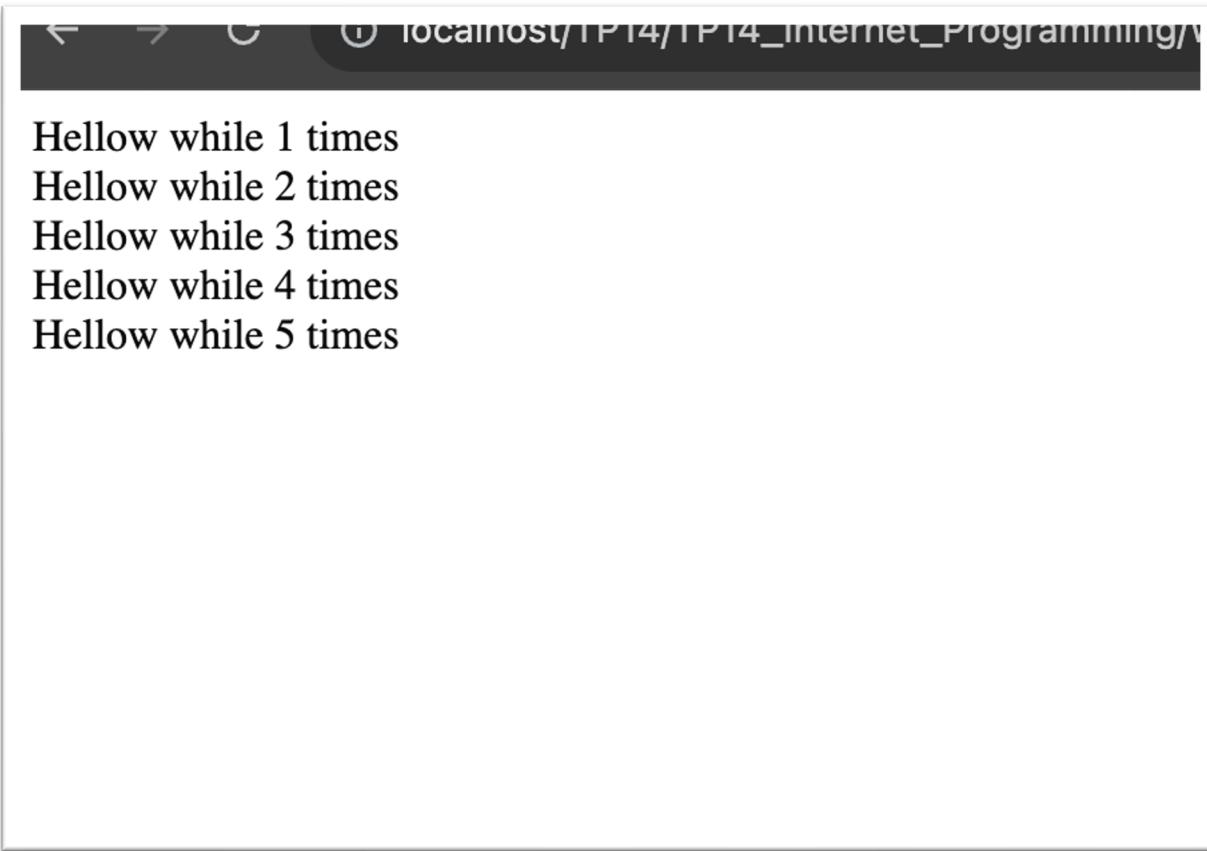
localhost/TP14/TP14_Internet_Programming/S

My Favorite car color is red

While loop



```
whileLoop.php  HTML
1 <html>
2   <?php
3     $i = 1;
4
5     while ($i <= 5 ){
6       echo "Hello while $i times" . "<br>";
7       $i++;
8     }
9   ?>
10  </html>
```



Do while loop

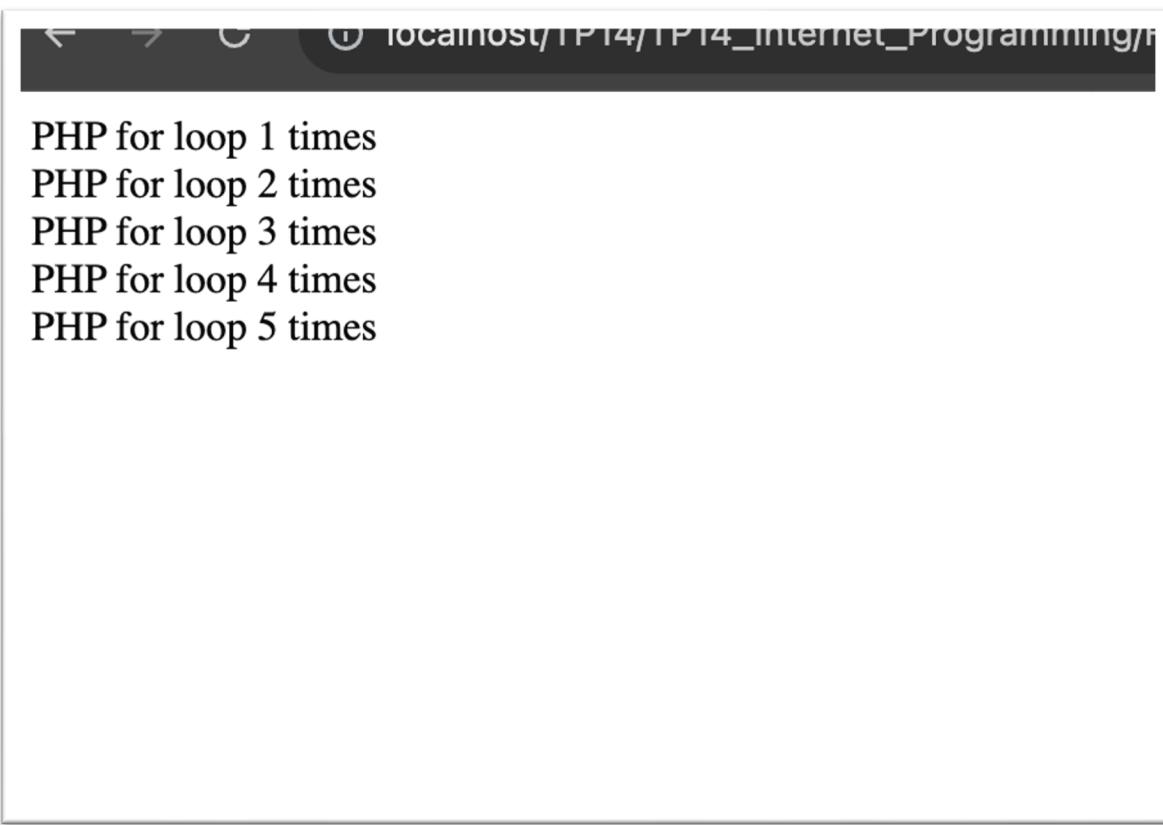
```
1 <html>
2     <?php
3         $i = 0;
4         do
5             {
6                 $i++;
7                 echo "Hellow while $i times" . "<br>";
8             }
9         }while ($i <= 5 );
10    ?>
11 </html>
```

← → ⌂ ⓘ localhost/TP14/TP14_Internet_Programming/D

Hellow while 1 times
Hellow while 2 times
Hellow while 3 times
Hellow while 4 times
Hellow while 5 times
Hellow while 6 times

For loop

```
ForLoop.php > Ⓜ html
1  <html>
2      <?php
3          for($i = 1; $i <= 5; $i++) {
4              echo "PHP for loop $i times" . "<br>";
5          }
6      ?>
7  </html>
```



Foreach loop

A screenshot of a code editor window. The title bar says "ForeachLoop.php > html". The code itself is as follows:

```
1 <html>
2 <?php
3     $salary[] = 2000;
4     $salary[] = 3000;
5     $salary[] = 5000;
6
7     foreach ($salary as $value) {
8         echo "Salary: $value <br>";
9     }
10    ?>
11 </html>
```

The code defines an array \$salary with three elements (2000, 3000, 5000). It then uses a foreach loop to iterate over the array, printing each value on a new line preceded by the string "Salary: ".

← → ⌂ ⓘ localhost/TP14/TP14_Internet_Programming/F

Salary: 2000
Salary: 3000
Salary: 5000

Array

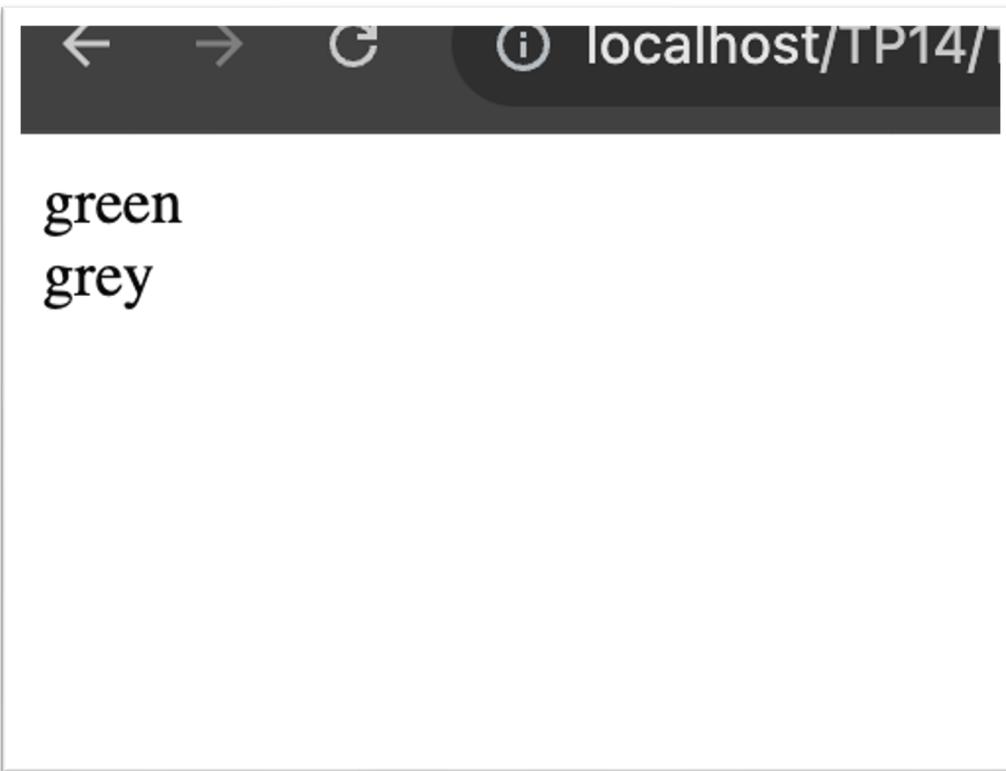
```
numericArray.php > ⚙ html
1  <html>
2      <?php
3          $age = array("Peter" => "35", "Ben" => "37", "Joe" => "43")
4
5          foreach($age as $x => $val) {
6              echo "$x = $val <br>";
7          }
8      ?>
9  </html>
```

The screenshot shows a web browser window with the URL `localhost/TP14/TP14_Internet_Programming/numericArray`. The page content displays three lines of text: "Peter = 35", "Ben = 37", and "Joe = 43".

Multi-dimensional

The screenshot shows a code editor with a file named `multiDimensional.php`. The code defines a multi-dimensional array and prints specific elements to the screen.

```
1 <html>
2     <?php
3         $multiDArray = array(
4             "A" => array (0 => "red", 2 => "blue", 3 => "green"),
5             "B" => array (1 => "orange", 2 => "black"),
6             "C" => array (0 => "white", 4 => "purple", 8 => "grey")
7         );
8
9         echo $multiDArray["A"][3];
10        echo "<br>";
11        echo $multiDArray["C"][8];
12
13    ?>
14 </html>
```



PHP forms (Post form handling)

```
1 <html>
2   <body>
3     <form action="registrationPost.php" method="post">
4       Name: <input type="text" name="name">
5       Email: <input type="text" name="email">
6       <input type="submit">
7     </form>
8   </body>
9 </html>
```

PHP forms (Get from handling)

```

1 <html>
2     <body>
3         <form action="registrationGet.php" method="get">
4             Name: <input type="text" name="name">
5             Email: <input type="text" name="email">
6             <input type="submit">
7         </form>
8     </body>
9 </html>

```

Sample HTML forms

Registration check

```

1 <?php
2 if (isset($_POST['Submit'])) {
3     $emp_name = trim($_POST["emp_name"]);
4     $emp_number = trim($_POST["emp_number"]);
5     $emp_email = trim($_POST["emp_email"]);
6
7     if ($emp_name == "") {
8         $errorMsg = "error : you did not enter a name.";
9         $code = "1"; echo $errorMsg;
10    }
11
12    elseif ($emp_number == "") {
13        $errorMsg = "error : Please enter number.";
14        $code = "2"; echo $errorMsg;
15    }
16    //check if the number field is numeric
17    elseif (is_numeric(trim($emp_number)) == false) {
18        $errorMsg = "error : Please enter numeric number.";
19        $code = "2"; echo $errorMsg;
20    }
21    elseif (strlen($emp_number) < 10) {
22        $errorMsg = "error : Number should be ten digits.";
23        $code = "2"; echo $errorMsg;
24    }
25    //check if email field is empty
26    elseif ($emp_email == "") {
27        $errorMsg = "error : Please enter enter a email.";
28        $code = "3"; echo $errorMsg;
29    }
30    //check for valid email
31    elseif (!preg_match("/^[_\.\0-9a-zA-Z-]+@[0-9a-zA-Z][0-9a-zA-Z]+\.[a-zA-Z]{2,6}$/i", $emp_email)) {
32        $errorMsg = "error : You did not enter a valid email.";
33        $code = "3"; echo $errorMsg;
34    }
35
36 }

```

Registration form

```

1 <html>
2   <body>
3     <form action="registrationCheck.php" method="post">
4       <label for="emp_name">Name:</label>
5       <input type="text" id="emp_name" name="emp_name"><br><br>
6       <label for="emp_number">Number:</label>
7       <input type="text" id="emp_number" name="emp_number"><br><br>
8       <label for="emp_email">Email:</label>
9       <input type="text" id="emp_email" name="emp_email"><br><br>
10      <input type="submit" value="Submit" name="Submit">
11    </form>
12  </body>
13</html>

```

Registration get

```

1 <html>
2   <body>
3     Welcome <?php echo $_GET["name"]; ?>!
4     Your email address is <?php echo $_GET["email"]; ?>
5   </body>
6 </html>

```

Registration post

```

1 <html>
2   <body>
3     Welcome <?php echo $_POST["name"]; ?>!
4     Your email address is <?php echo $_POST["email"]; ?>
5   </body>
6 </html>

```

PHP file Upload

```

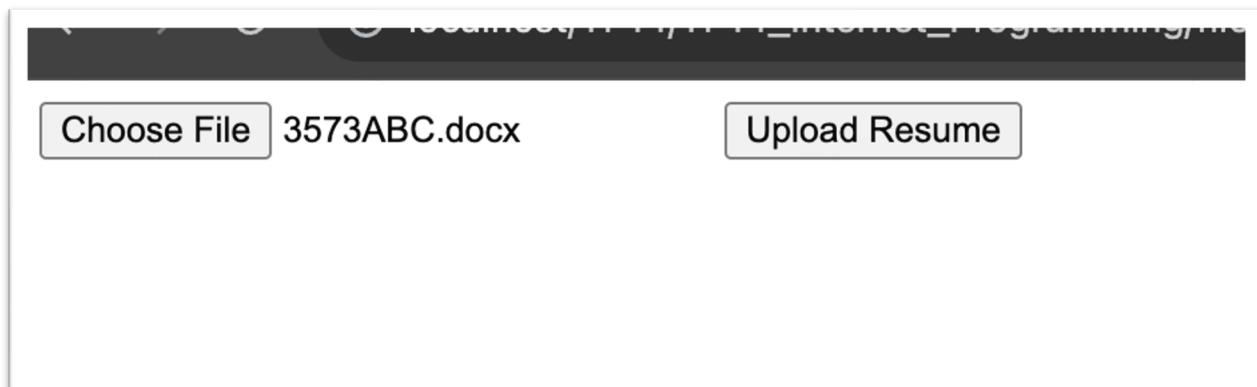
1 <html>
2   <body>
3     <form action="fileUploadHandle.php" method="post" enctype="multipart/form-data" name="fo
4       <input type="file" name="resume" id="resume">
5       <input type="submit" name="SubmitBtn" id="SubmitBtn" value="Upload Resume">
6     </form>
7   </body>

```

PHP file upload handle

```
<?php
if(isset($_POST["SubmitBtn"])){
    $fileName = basename($_FILES["resume"]["name"]);
    $fileSize = $_FILES["resume"]["size"] / 1024;
    $fileType = $_FILES["resume"]["type"];
    $fileTmpName = $_FILES["resume"]["tmp_name"];
    if($fileType=="application/msword" || $fileType=="application/vnd.openxmlformats-officedocument.wordprocessingml.document"){
        if($fileSize<=200){
            $random = rand(1111,9999);
            $newFileName = $random.$fileName;
            $uploadPath = "testUpload/".$newFileName;

            if(move_uploaded_file($fileTmpName,$uploadPath)){
                echo "Successfully".<br>;
                echo "File Name: ". $newFileName.<br>;
                echo "File Size: ". $fileSize. "Kb".<br>;
                echo "File Type: ". $fileType."<br>";
            }else{
                echo "fail";
            }
        }else{
            echo "Maximum upload file size is limit is 200Kb";
        }
    }else{
        echo "You can upload only word File";
    }
}
}
```



PHP composer

