

Lab #6:
SERVER-SIDE SCRIPTING (PHP)**NAME : SHAHRUL SYAZWAN BIN AHMAD ZAMRE****MATRIC NO. : AI210104**

Topic	Web page development using PHP
Domain of Learning	Psychomotor (P2: Set; P3: Guided Respond; P4: Mechanism)
Learning objective	1. To evaluate the response to solve the problem as required. (P2) 2. To evaluate the skill of how the web page is developed while using the code/tags correctly. (P3) 3. To evaluate the value added of creativity/knowledge/skill in web page development. (P4)
Lab activity objective	To use the combination of HTML tags and PHP scripting adequately based on the suitable requirement of a case study.

Instruction: Answer all questions. Write your answer and screenshot the output in Microsoft Word. Submit through Author in PDF format.

1. **Create a folder** in your XAMPP's **htdocs** folder. **Create a PHP file** named **index.php** inside the folder. Copy and paste the code below. Then, **start** your Apache web server. Open your browser and enter localhost/yourfoldername/yourphpfilename.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Lab 6 Q1</title>
</head>
<body>
    <?php
        $name = "Muhammad Asyraf";
    ?>

    <table>
        <tr>
            <td>Name</td>
            <td><?php echo "$name"; ?></td>
        </tr>
    </table>

</body>
</html>
```

Edit the PHP file to create variables of your details and display them on the HTML table. Your details should be as follows:

- (a) Name
- (b) Matric number
- (c) Course
- (d) Year of study
- (e) Address

2. Create a new PHP file and write the following associative array:

```
$students = [  
    [  
        'name' => 'Alice',  
        'program' => 'BIP',  
        'age' => 21  
    ],  
    [  
        'name' => 'Bob',  
        'program' => 'BIS',  
        'age' => 20  
    ],  
    [  
        'name' => 'Raju',  
        'program' => 'BIT',  
        'age' => 22  
    ]  
];
```

Use **for** or **foreach** loop to display the content of `$students` on an **HTML table** as below.

Name	Program	Age
Alice	BIP	21
Bob	BIS	20
Raju	BIT	22

3. Write a PHP function named `calculateArea` to calculate the **area of a rectangle**. The function should **receive two parameters** and **return the area**. Call the function with any value of your choice and display the result. Below is an output sample of the function.

← ↻ ⚠ Not secure | lab_6_php.test/lab6_q3.php

The area of a rectangle with a width of 4 and 2 is 8

ANSWER:

Q1 SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Lab 6 Q1</title>
</head>
<body>

<?php
    $name = "SHAHRL SYAZWAN";

    $matricNo = "AI210104";

    $course = "BIP";

    $yearOfStudy = 3;

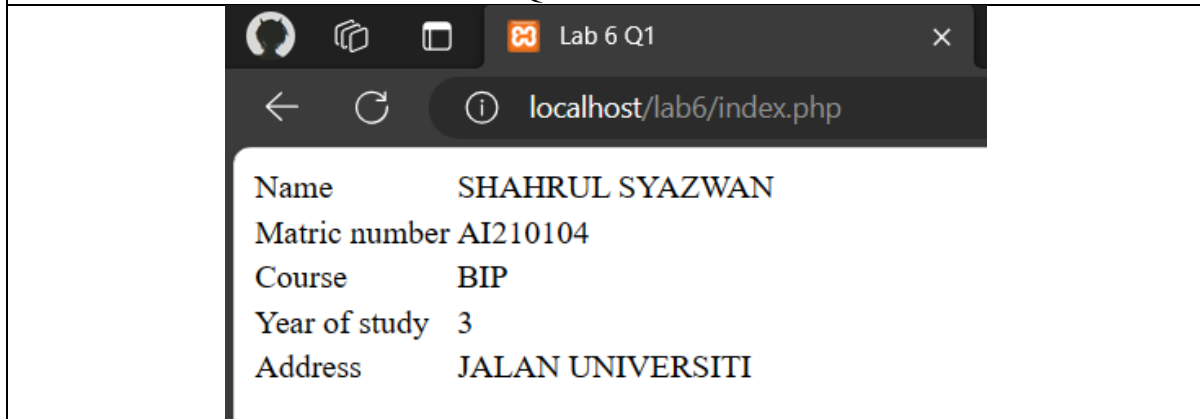
    $address = "JALAN UNIVERSITI";

?>

<table>
  <tr>
    <td>Name</td>
    <td><?php echo "$name"; ?></td>
  </tr>
  <tr>
    <td>Matric number</td>
    <td><?php echo "$matricNo"; ?></td>
  </tr>
  <tr>
    <td>Course</td>
    <td><?php echo "$course"; ?></td>
  </tr>
  <tr>
    <td>Year of study</td>
    <td><?php echo "$yearOfStudy"; ?></td>
  </tr>
  <tr>
    <td>Address</td>
    <td><?php echo "$address"; ?></td>
  </tr>
</table>
```

```
</body>  
</html>
```

Q1 OUTPUT



Q2 SOURCE CODE

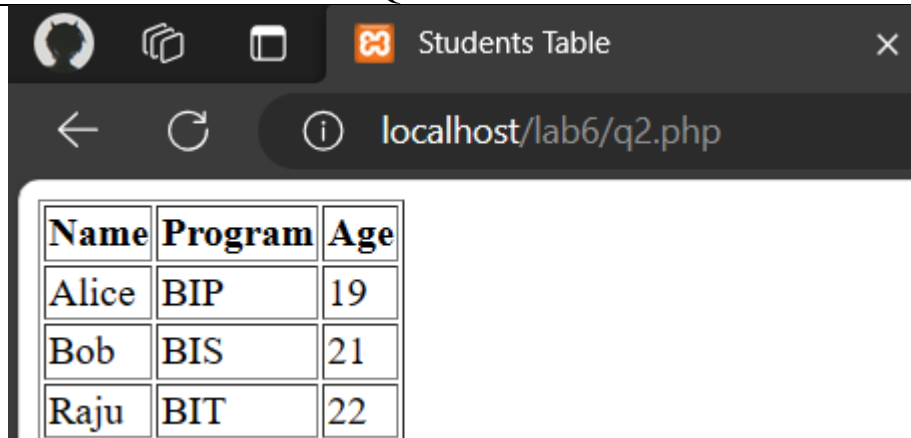
```
<?php  
$students = [  
    [  
        'name' => 'Alice',  
        'program' => 'BIP',  
        'age' => 19  
    ],  
    [  
        'name' => 'Bob',  
        'program' => 'BIS',  
        'age' => 21  
    ],  
    [  
        'name' => 'Raju',  
        'program' => 'BIT',  
        'age' => 22  
    ]  
];  
  
?>  
  
<!DOCTYPE html>  
<html>
```

```
<head>
  <title>Students Table</title>
</head>
<body>

<table border="1">
  <thead>
    <tr>
      <th>Name</th>
      <th>Program</th>
      <th>Age</th>
    </tr>
  </thead>
  <tbody>
    <?php foreach ($students as $student): ?>
      <tr>
        <td><?php echo $student['name']; ?></td>
        <td><?php echo $student['program']; ?></td>
        <td><?php echo $student['age']; ?></td>
      </tr>
    <?php endforeach; ?>
  </tbody>
</table>

</body>
</html>
```

Q2 OUTPUT



Name	Program	Age
Alice	BIP	19
Bob	BIS	21
Raju	BIT	22

Q3 SOURCE CODE

```
<?php

function calculateArea($width, $length){
    $area = $width*$length;
    return $area;
}

$length = 10;
$width = 5;
$result = calculateArea($length, $width);

echo "The area of the rectangle with length $length and width $width is: $result";

?>
```

Q3 OUTPUT

