Lab #6:
SERVER-SIDE SCRIPTING (PHP)

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.

```html
<!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:

```php
$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.

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