Lab #5a:
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 named** `lab_5a` in your XAMPP's `htdocs` folder. **Create a PHP file** named `lab5a_q1.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 5a Q1</title>
</head>
<body>
    <?php
        $name = "Nur Ariffin Mohd Zin";
    ?>

    <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

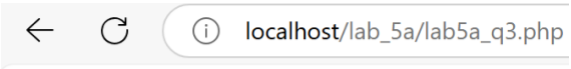
2. Create a new PHP file named `lab5a_q2.php` and write the following associative array:

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

Use `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. Create a new PHP file named `lab5a_q3.php` and write a PHP function named `multiplication` that generates a multiplication table for a given number. The function should **accept a single parameter** (the multiplier) and **return an array containing the multiplication results** for numbers 1 through 12. Use this function to create an HTML table displaying the results, with the following columns: **No**, **Multiplier**, and **Answer**. Below is a sample output of the table.



No	Multiplier	Answer
1	2	2
2	2	4
3	2	6
4	2	8
5	2	10
6	2	12
7	2	14
8	2	16
9	2	18
10	2	20
11	2	22
12	2	24

4. Push all your codes to GitHub and provide the link of your repository in the PDF report (along with your codes and screenshot of the output). You do not need to enable GitHub Pages since it cannot render server-side scripting like PHP.