



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

(FSKTM)

SEMESTER I 2024/2025

WEB DEVELOPMENT

BIC 21203

SECTION 04

LAB ASSIGNMENT 05A

TITLE

SERVER-SIDE SCRIPTING (PHP)

LECTURER

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Topic	Web page development using PHP
Domain of Learning	Psychomotor (P2: Set; P3: Guided Respond; P4: Mechanism)
Learning objective	<ol style="list-style-type: none"> 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.**

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

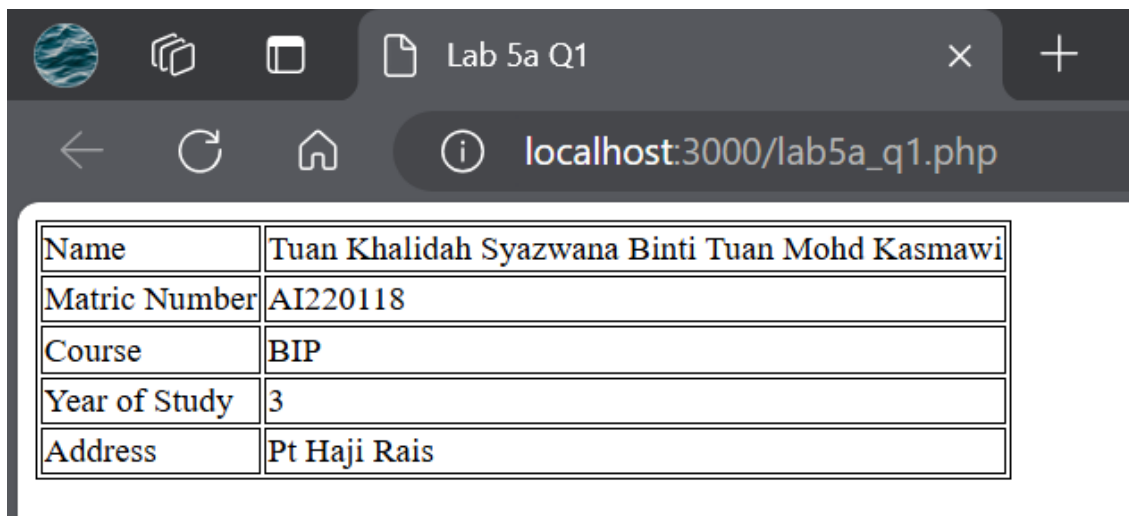
- (a) Name
- (b) Matric number
- (c) Course
- (d) Year of study
- (e) Address

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Lab 5a Q1</title>
7
8     <style>
9         table, th, td{
10             border: 1px solid black;
11         }
12     </style>
13 </head>
14
15 <body>
16     <?php
17         $name = "Tuan Khalidah Syazwana Binti Tuan Mohd Kasmawi";
18         $matricnumber = "AI220118";
19         $course = "BIP";
20         $yearofstudy = "3";
21         $address = "Pt Haji Rais"
22     >?>
23
24     <table>
25         <tr>

```

```
26         <td>Name</td>
27         <td><?php echo ".$name"; ?></td>
28     </tr>
29     <tr>
30         <td>Matric Number</td>
31         <td><?php echo ".$matricnumber"; ?></td>
32     </tr>
33     <tr>
34         <td>Course</td>
35         <td><?php echo ".$course"; ?></td>
36     </tr>
37     <tr>
38         <td>Year of Study</td>
39         <td><?php echo ".$yearofstudy"; ?></td>
40     </tr>
41     <tr>
42         <td>Address</td>
43         <td><?php echo ".$address"; ?></td>
44     </tr>
45 </table>
46 </body>
47 </html>
```



The screenshot shows a web browser window with a single tab titled "Lab 5a Q1". The address bar displays "localhost:3000/lab5a_q1.php". The main content area contains a table with the following data:

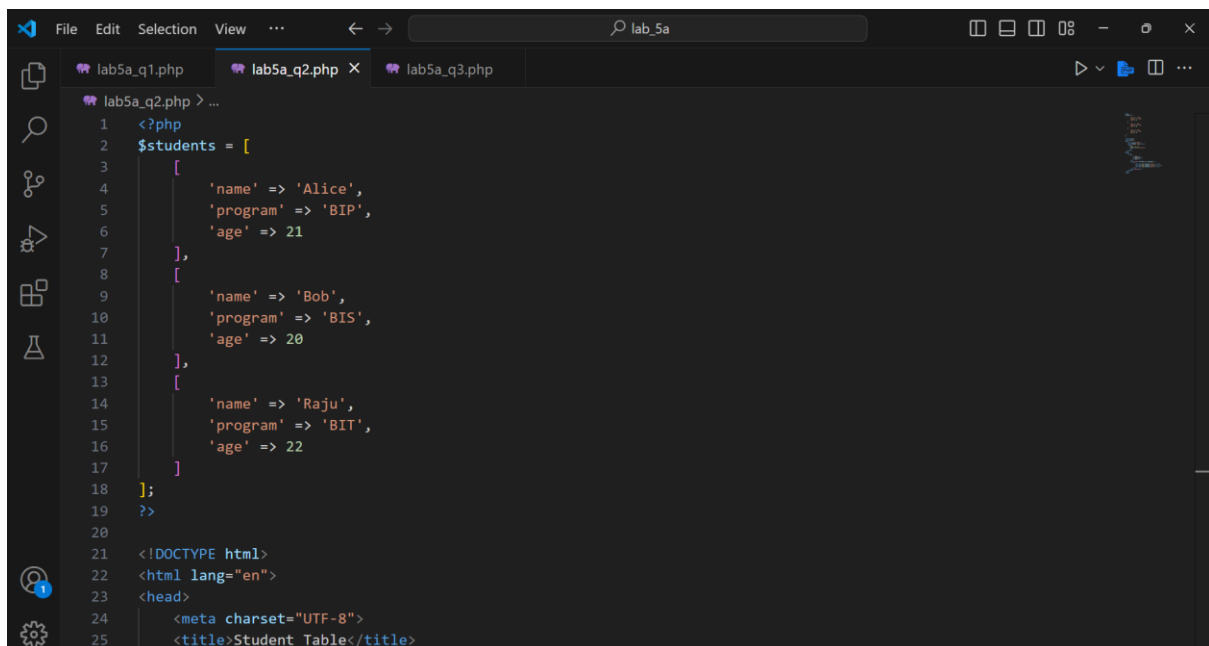
Name	Tuan Khalidah Syazwana Binti Tuan Mohd Kasmawi
Matric Number	AI220118
Course	BIP
Year of Study	3
Address	Pt Haji Rais

2. Create a new PHP file named `lab5a_q2.php` 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
    ]
];
```

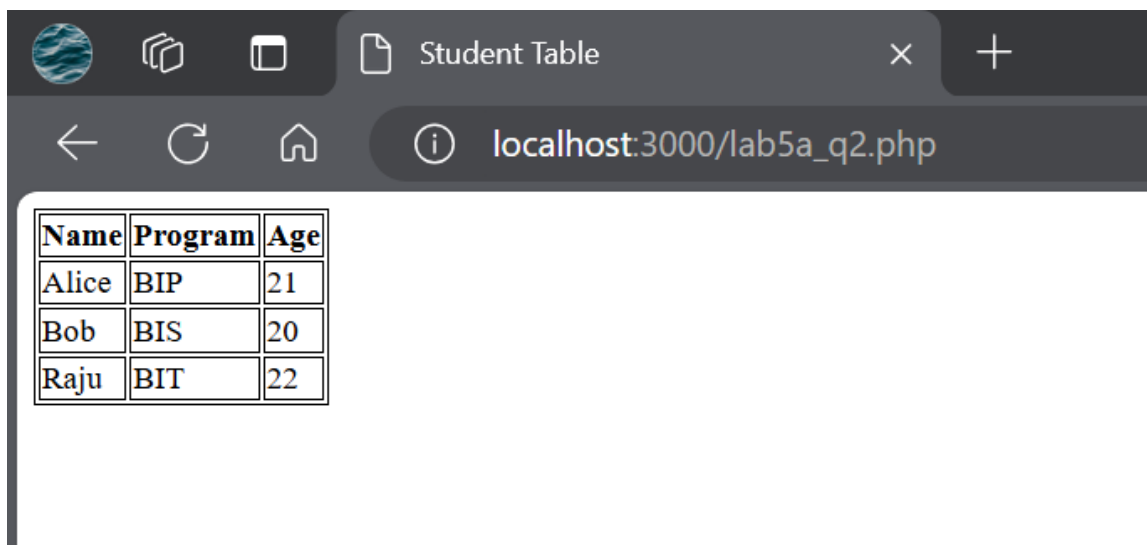
Use `foreach` loop to display the content of `$students` on an **HTML table** as below.

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

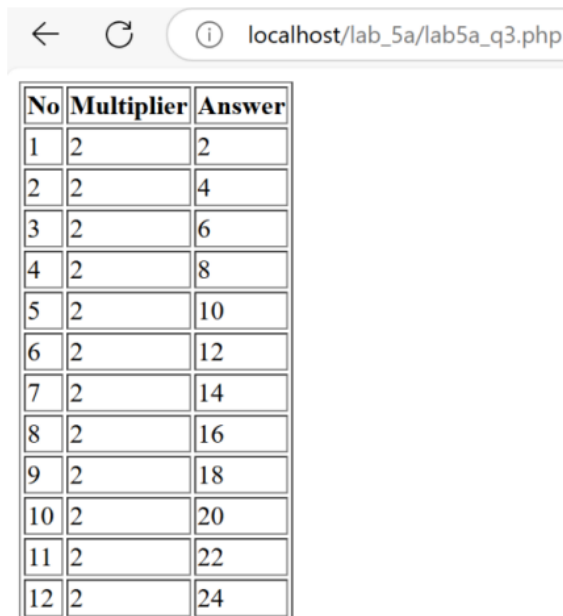


```
1 <?php
2 $students = [
3     [
4         'name' => 'Alice',
5         'program' => 'BIP',
6         'age' => 21
7     ],
8     [
9         'name' => 'Bob',
10        'program' => 'BIS',
11        'age' => 20
12    ],
13    [
14        'name' => 'Raju',
15        'program' => 'BIT',
16        'age' => 22
17    ]
18 ];
19 ?>
20
21 <!DOCTYPE html>
22 <html lang="en">
23 <head>
24 <meta charset="UTF-8">
25 <title>Student Table</title>
```

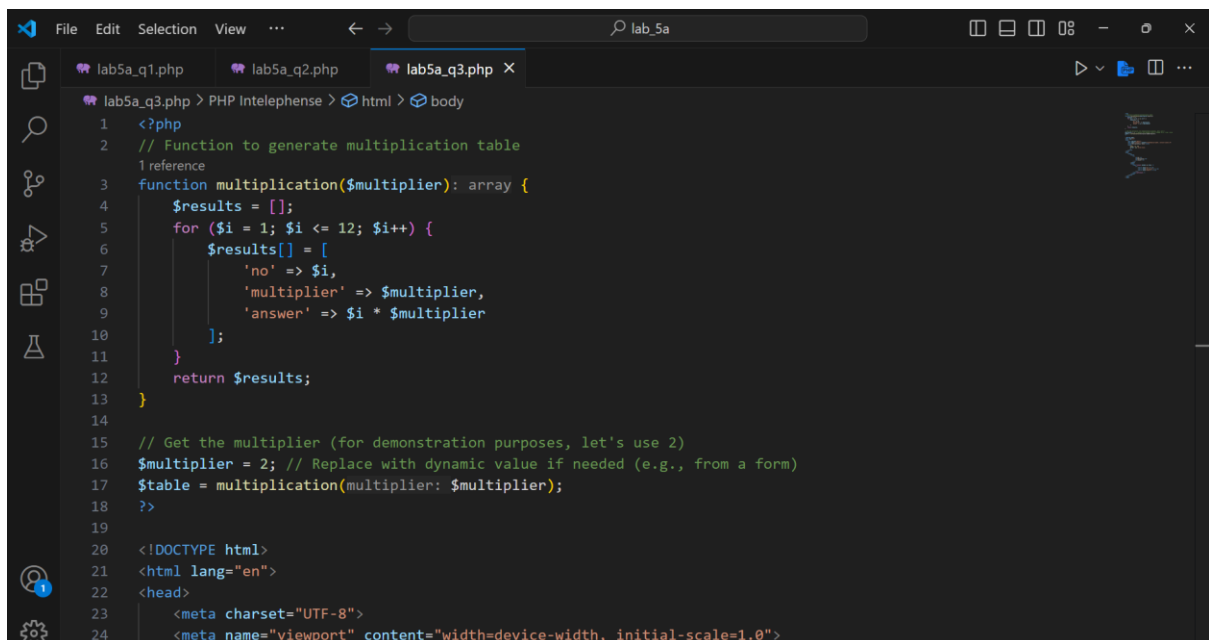
```
26     <style>
27         table, th, td{
28             border: 1px solid black;
29         }
30     </style>
31 </head>
32 <body>
33     <table>
34         <tr>
35             <th>Name</th>
36             <th>Program</th>
37             <th>Age</th>
38         </tr>
39         <?php foreach ($students as $student): ?>
40             <tr>
41                 <td><?php echo $student['name']; ?></td>
42                 <td><?php echo $student['program']; ?></td>
43                 <td><?php echo $student['age']; ?></td>
44             </tr>
45         <?php endforeach; ?>
46     </table>
47 </body>
48 </html>
```



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.

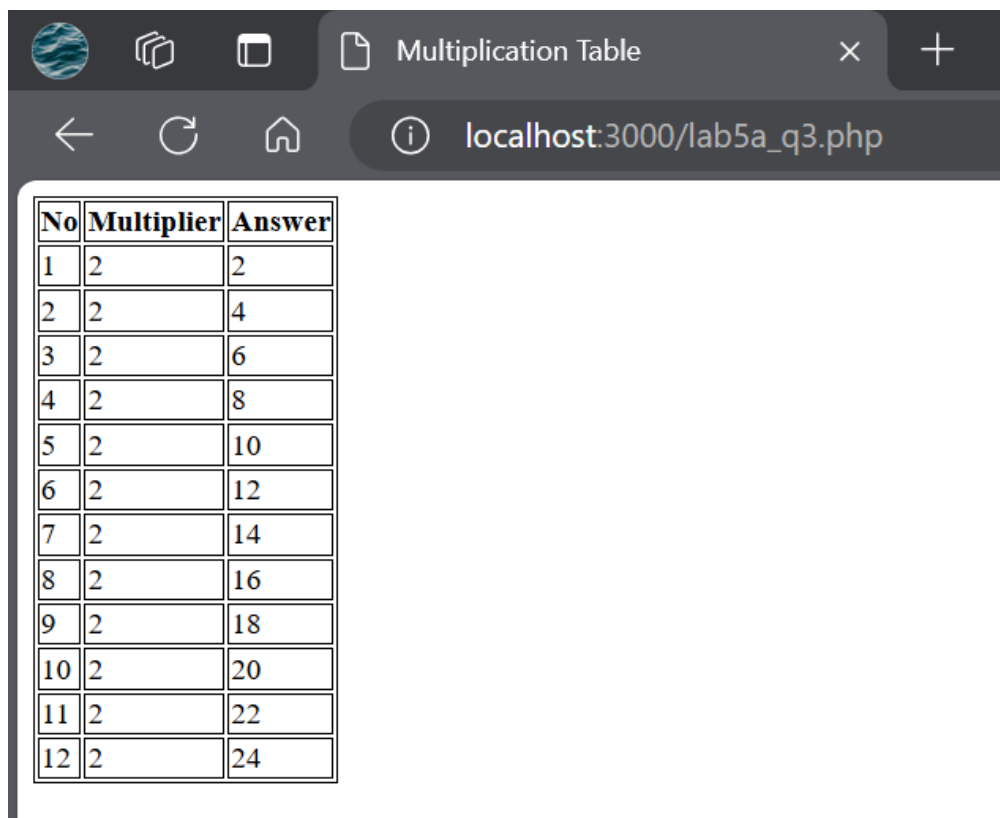


No	Multiplier	Answer
1	2	2
2	2	4
3	2	6
4	2	8
5	2	10
6	2	12
7	2	14
8	2	16
9	2	18
10	2	20
11	2	22
12	2	24



```
1 <?php
2 // Function to generate multiplication table
3 function multiplication($multiplier): array {
4     $results = [];
5     for ($i = 1; $i <= 12; $i++) {
6         $results[] = [
7             'no' => $i,
8             'multiplier' => $multiplier,
9             'answer' => $i * $multiplier
10        ];
11    }
12    return $results;
13 }
14
15 // Get the multiplier (for demonstration purposes, let's use 2)
16 $multiplier = 2; // Replace with dynamic value if needed (e.g., from a form)
17 $table = multiplication(multiplier: $multiplier);
18 ?>
19
20 <!DOCTYPE html>
21 <html lang="en">
22 <head>
23     <meta charset="UTF-8">
24     <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
25 <title>Multiplication Table</title>
26 <style>
27     table, th, td{
28         border: 1px solid black;
29     }
30 </style>
31 </head>
32 <body>
33     <table>
34         <thead>
35             <tr>
36                 <th>No</th>
37                 <th>Multiplier</th>
38                 <th>Answer</th>
39             </tr>
40         </thead>
41         <tbody>
42             <?php foreach ($table as $row): ?>
43                 <tr>
44                     <td><?= $row['no'] ?></td>
45                     <td><?= $row['multiplier'] ?></td>
46                     <td><?= $row['answer'] ?></td>
47                 </tr>
48             <?php endforeach; ?>
49         </tbody>
50     </table>
51 </body>
52 </html>
```



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.

https://github.com/wanai220118/lab_5a