Lab Report

		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Only for course Teacher						
Allocate mark & Percentage		**25%**	**50%**	**75%**	**100%**	**25**
Understanding/Analysis	7					
Implementation	8					
Report Writing	10					
					Total obtained mark	
Comments						

Semester: Fall …25……

Student Name: Md Maruf Hasan All Haddy

Student ID: 241-35-463

Batch: 42   **Section: B2**

Course Code: SE 236   **Course Name: Desktop & Web Programming Lab**

Course Teacher Name: Prof. Abu Sayed PhD

Designation: Professor

Submission Date: …06…. /…12…/…2025….

1. SQL Script

To create a database, I am currently using XAMPP software after running the server and database from the "http://localhost/phpmyadmin/" I run SQL Command to create database and after that to create a table under the database.
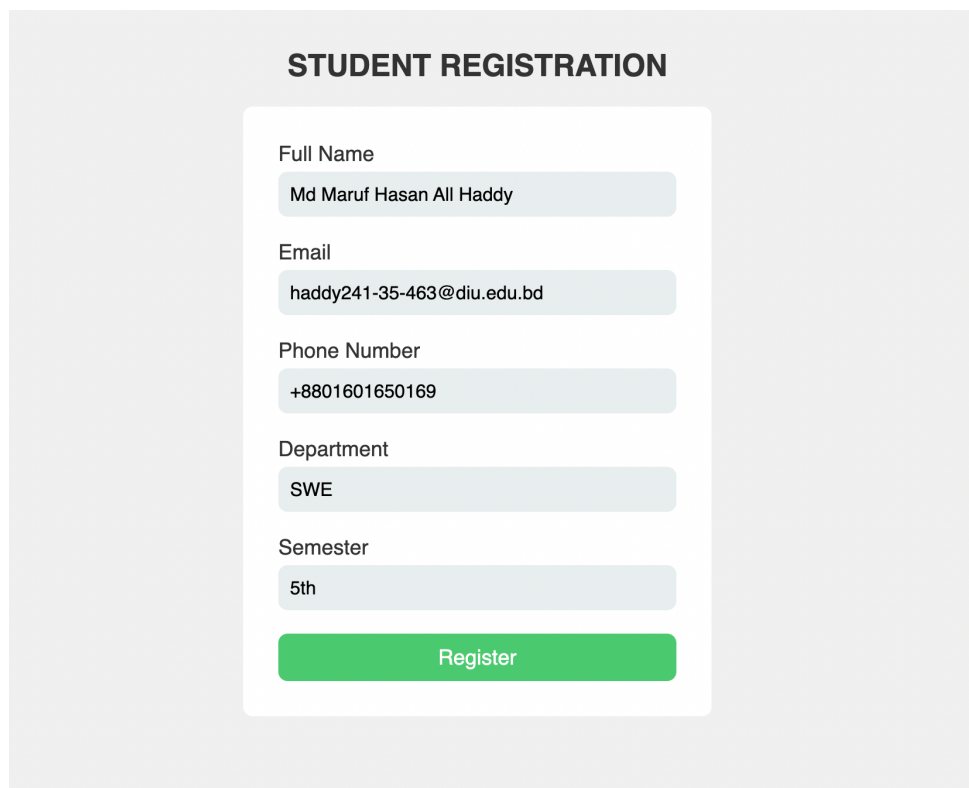
The SQL Commands:

CREATE DATABASE StudentDB;

CREATE TABLE StudentInfo (
Id INT AUTO_INCREMENT PRIMARY KEY,
FullName VARCHAR(100) NOT NULL,
Email VARCHAR(100) NOT NULL,
Phone VARCHAR(20) NOT NULL,
Department VARCHAR(50) NOT NULL,
Semester VARCHAR(20) NOT NULL);
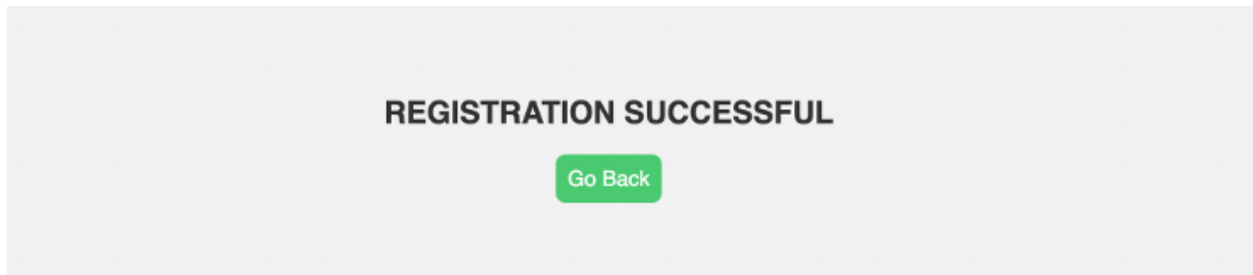
2. User Interface

File : Index.php

It is the entry point. In this file I have done the HTML form to collect data Full Name, Email, Phone Number, Department, and Semester. The form method is **POST**. And the style comes from the **style.css** file which is externally linked with the PHP file.
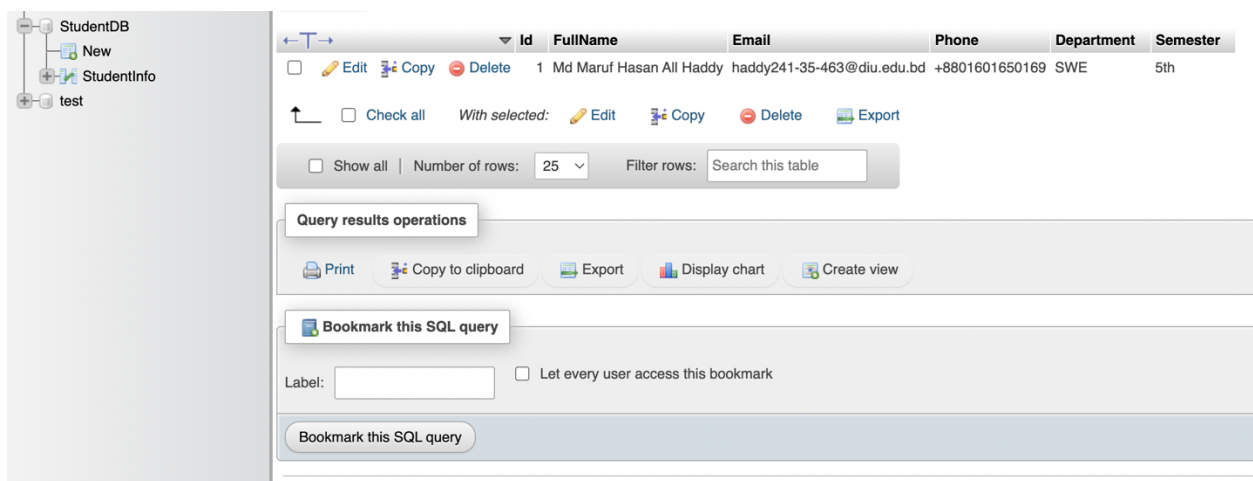
3. Data Processing

File : register.php

Here I first make a connection with the to the MySQL database named **StudentDB .**Then I collect all the form data by the $_POST["""] and store one by one in the variable . After that I checked if the connection is Succeed or Not. I success then I prepare the SQL query to insert the data in the database. For database connection I used the **mysqli_connect()** function and to run the query I used the **mysqli_query()** function. If submission successful I show the "Registration Successful" message.

Data Saved in the Database:

Code

```html
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet" href="./style.css">
8      <title>Student Registration</title>
9  </head>
10
11 <body>
12     <main>
13         <div class="content_full_height">
14             <h1 class="heading">Student Registration</h1>
15
16             <div class="registration-form">
17                 <form action="register.php" method="POST">
18                     <div class="form-field">
19                         <label for="fullname">Full Name</label>
20                         <input type="text" id="fullname" name="fullname" placeholder="Enter your full name" required>
21                     </div>
22                     <div class="form-field">
23                         <label for="email">Email</label>
24                         <input type="email" id="email" name="email" placeholder="Enter your email" required>
25                     </div>
26                     <div class="form-field">
27                         <label for="phone">Phone Number</label>
28                         <input type="tel" id="phone" name="phone" placeholder="Enter your phone number" required>
29                     </div>
30                     <div class="form-field">
31                         <label for="department">Department</label>
32                         <input type="text" id="department" name="department" placeholder="Enter your department name" required>
33                     </div>
34                     <div class="form-field">
35                         <label for="semester">Semester</label>
36                         <input type="text" id="semester" name="semester" placeholder="Enter your semester number" required>
37                     </div>
38                     <div>
39                         <button class="button" type="submit">Register</button>
40                     </div>
41                 </form>
42             </div>
43         </div>
44     </main>
45
46 </body>
47
48 </html>
```

```php
<?php
$host = "localhost";
$user = "root";
$password = "";
$database = "studentdb";

$fullname = $_POST['fullname'];
$email = $_POST['email'];
$phone = $_POST['phone'];
$department = $_POST['department'];
$semester = $_POST['semester'];

$conn = mysqli_connect($host, $user, $password, $database);

if (!$conn):
    die("Database Connection Failed !");
endif;

$sql = "INSERT INTO studentInfo (FullName, Email, Phone, Department, Semester)
        VALUES ('$fullname','$email','$phone','$department','$semester')";

$success = mysqli_query($conn, $sql);
$error   = mysqli_error($conn);

mysqli_close($conn);
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="./style.css">
    <title>Student Registration</title>
</head>

<body>
    <main>
        <div class="content_full_height">
            <?php if ($success) { ?>
                <h1 class="heading">Registration Successful</h1>
                <a class="button btn" href="index.php">Go Back</a>
            <?php } else { ?>
                <h1 class="heading">Registration Failed</h1>
                <p>Something Went Wrong !</p>
            <?php } ?>
        </div>
    </main>
</body>

</html>
```

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

.content_full_height {
    height: 100dvh;
    background: #f0f0f0;
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
    gap: 20px;
}

.heading {
    font-size: 26px;
    color: #333333;
    text-transform: uppercase;
}

.registration-form {
    width: 400px;
    padding: 30px;
    background: #ffffff;
    border-radius: 8px;
}

.registration-form form {
    display: flex;
    flex-direction: column;
    gap: 20px;
}
.form-field {
    display: flex;
    flex-direction: column;
    gap: 5px;
}

.form-field label {
    font-size: 18px;
    color: #333333;
}

.form-field input {
    background: rgba(255, 255, 255, 0.1);
    border: none;
    outline: none;
    font-size: 16px;
    padding: 10px;
    background-color: #e8eeef;
    color: black;
    border-radius: 8px;
}

.button {
    padding: 10px 10px;
    color: #fff;
    background-color: #4bc970;
    font-size: 18px;
    text-align: center;
    font-style: normal;
    border-radius: 8px;
    border: none;
    width: 100%;
}
.button:hover {
    background-color: #43a85f;
    cursor: pointer;
}
.btn {
    width: fit-content;
    text-decoration: none;
}
```