



Lab Report

Only for course Teacher						
		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
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.

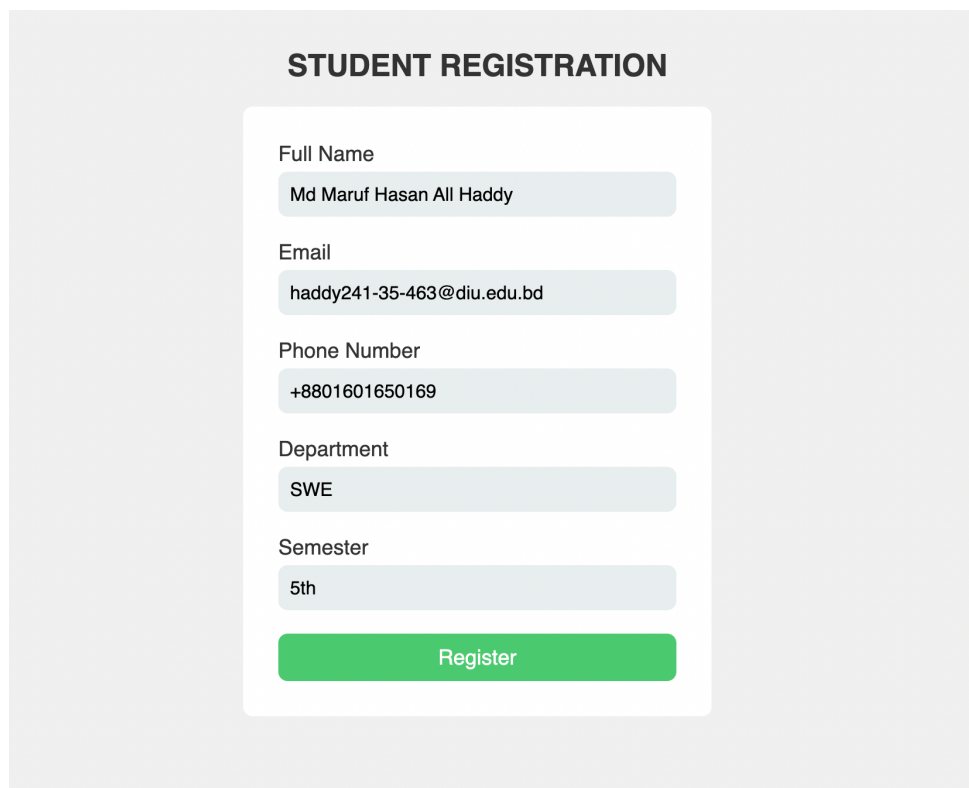
The SQL Commands:

```
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



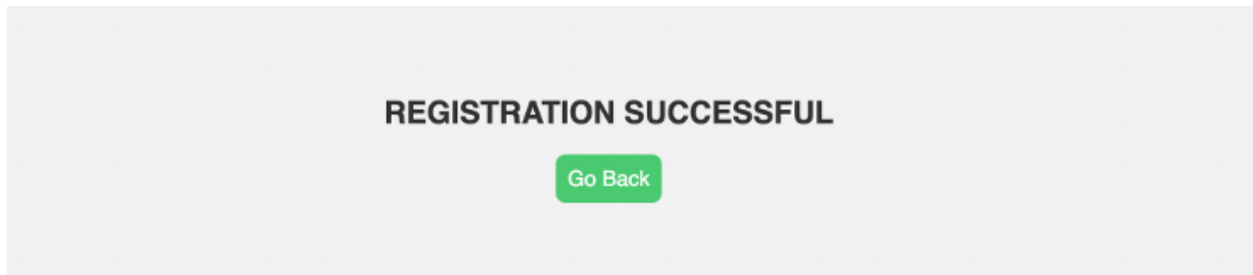
The screenshot shows a web form titled "STUDENT REGISTRATION" centered on a light gray background. The form itself is a white rounded rectangle containing several input fields and a submit button. The fields are labeled "Full Name", "Email", "Phone Number", "Department", and "Semester". Each label is positioned to the left of its corresponding input field. The input fields contain the following text: "Md Maruf Hasan Ali Haddy", "haddy241-35-463@diu.edu.bd", "+8801601650169", "SWE", and "5th". At the bottom of the form is a green rectangular button with the word "Register" in white text.

STUDENT REGISTRATION	
Full Name	Md Maruf Hasan Ali Haddy
Email	haddy241-35-463@diu.edu.bd
Phone Number	+8801601650169
Department	SWE
Semester	5th
<button>Register</button>	

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.

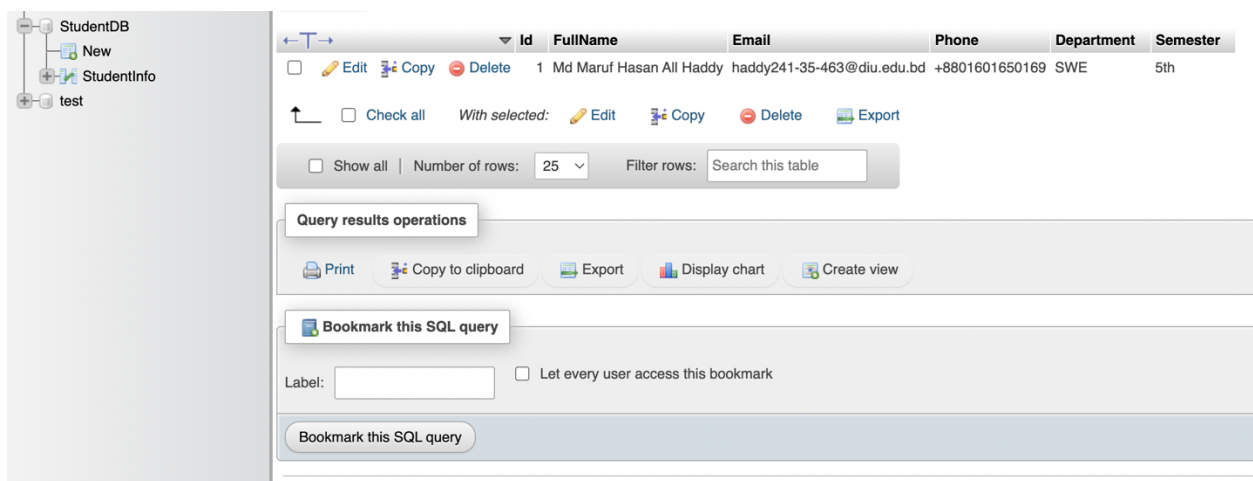
3. Data Processing

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

```
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>
```

```

1  <?php
2  $host = "localhost";
3  $user = "root";
4  $password = "";
5  $database = "studentdb";
6
7  $fullname = $_POST['fullname'];
8  $email = $_POST['email'];
9  $phone = $_POST['phone'];
10 $department = $_POST['department'];
11 $semester = $_POST['semester'];
12
13 $conn = mysqli_connect($host, $user, $password, $database);
14
15 if (!$conn):
16     die("Database Connection Failed !");
17 endif;
18
19 $sql = "INSERT INTO studentInfo (FullName, Email, Phone, Department, Semester)
20     VALUES ('$fullname','$email','$phone','$department','$semester')";
21
22 $success = mysqli_query($conn, $sql);
23 $error    = mysqli_error($conn);
24
25 mysqli_close($conn);
26 ?>
27
28 <!DOCTYPE html>
29 <html lang="en">
30
31 <head>
32     <meta charset="UTF-8">
33     <meta name="viewport" content="width=device-width, initial-scale=1.0">
34     <link rel="stylesheet" href="./style.css">
35     <title>Student Registration</title>
36 </head>
37
38 <body>
39     <main>
40         <div class="content_full_height">
41             <?php if ($success) { ?>
42                 <h1 class="heading">Registration Successful</h1>
43                 <a class="button btn" href="index.php">Go Back</a>
44             <?php } else { ?>
45                 <h1 class="heading">Registration Failed</h1>
46                 <p>Something Went Wrong !</p>
47             <?php } ?>
48         </div>
49     </main>
50 </body>
51
52 </html>

```

```
1  * {
2    margin: 0;
3    padding: 0;
4    box-sizing: border-box;
5  }
6
7  .content_full_height {
8    height: 100dvh;
9    background: #f0f0f0;
10   display: flex;
11   flex-direction: column;
12   justify-content: center;
13   align-items: center;
14   gap: 20px;
15 }
16
17 .heading {
18   font-size: 20px;
19   color: #333333;
20   text-transform: uppercase;
21 }
22
23 .registration-form {
24   width: 400px;
25   padding: 30px;
26   background: #ffffff;
27   border-radius: 8px;
28 }
29
30 .registration-form form {
31   display: flex;
32   flex-direction: column;
33   gap: 20px;
34 }
35
36 .form-field {
37   display: flex;
38   flex-direction: column;
39   gap: 5px;
40 }
41
42 .form-field label {
43   font-size: 18px;
44   color: #333333;
45 }
46
47 .form-field input {
48   background: rgba(255, 255, 255, 0.1);
49   border: none;
50   outline: none;
51   font-size: 18px;
52   padding: 10px;
53   background-color: #e8eeef;
54   color: black;
55   border-radius: 8px;
56 }
57
58 .button {
59   padding: 10px 10px;
60   color: #fff;
61   background-color: #4bc970;
62   font-size: 18px;
63   text-align: center;
64   font-style: normal;
65   border-radius: 8px;
66   border: none;
67   width: 100%;
68 }
69
70 .button:hover {
71   background-color: #43a85f;
72   cursor: pointer;
73 }
74
75 .btn {
76   width: fit-content;
77   text-decoration: none;
78 }
```