Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering Semester:
(Fall, Year:2025), B.Sc. in CSE (Day)

Lab Report NO #01
Course Title: Database Lab
Course Code: CSE 302   Section: 232_D1

Lab Experiment Name: Creating a Class Routine using HTML

Student Details:

Name	ID
Majharul Islam	232002256

Lab Date   : 07 .10. 2025
Submission Date   : 10.10. 2025
 Course Teacher's Name   : Tanpia Tasnim

[For Teachers use only: Don't Write Anything inside this box]

Lab Report Status

Marks: …………………………………
Comments:……………………………………….

Signature:…………………..
Date:………………………….

1. TITLE OF THE LAB EXPERIMENT

Design and develop a class routine web page using HTML and CSS to display the teacher's weekly schedule in a tabular format.

2. OBJECTIVES

- To learn how to use HTML table elements (<table>, <tr>, <th>, <td>) to organize data.
- To apply CSS for styling and alignment of webpage content.
- To create a structured and readable class routine webpage.
- To improve understanding of webpage design and layout.

3. INTRODUCTION

In this experiment, we learned to create a structured timetable using HTML <table> elements and apply basic styling with CSS. This helps in organizing information systematically, which is a crucial part of web development. The project displays a teacher's class schedule for different days and times.

4. PROCEDURE / ANALYSIS

1. Create a new HTML file named class_test_02.html.
2. Define the basic structure using <!DOCTYPE html>, <html>, <head>, and <body> tags.
3. Add a title "Class Routine" and details using heading tags (<h2>, <h3>, <h4>).
4. Use the <table> tag to create a grid layout with rows and columns.
5. Apply table borders, width, and alignment attributes.
6. Use <th> for headings (Time, Day) and <td> for schedule data.
7. Apply CSS to center-align text using the universal selector * { text-align: center; }.

5. IMPLEMENTATION

Code Implementation:

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Class Routine</title>
 <style>
   * { text-align: center; }
```

```html
    </style>
</head>
<body>
  <caption>
    <h2>Class Routine</h2>
    <h2>Green University of Bangladesh</h2>
    <h3>Department of Computer Science and Engineering (CSE)</h3>
    <h3>Student Name: Majharul Islam (ID: 232002256)</h3>
  </caption>

  <table border="1" align="center" height="300px" width="1200">
    <tr>
      <th>Time</th>
      <th rowspan="2">08:30-10:00</th>
      <th rowspan="2">10:00-11:30</th>
      <th rowspan="2">11:30-01:00</th>
      <th rowspan="2">01:30-03:00</th>
      <th rowspan="2">03:00-04:30</th>
    </tr>
    <tr>
      <th>Day</th>
    </tr>
    <tr>
      <th>Sunday</th>
      <td>CSE 301 <br>Web Programming<br>Room K-103</td>
      <td>CSE 303 <br>Microprocessors & Embedded Systems<br>Room K-105</td>
      <td>EEE 301 <br>Electrical Drives & Instrumentation<br>Room A-605</td>
      <td colspan="2">CSE 308 <br>Design Project I<br>Room K-109</td>
    </tr>
    <tr>
      <th>Tuesday</th>
      <td colspan="2">CSE 302 <br>Web Programming Lab<br>Room K-102</td>
      <td>CSE 301 <br>Web Programming<br>Room K-103</td>
      <td>CSE 305 <br>Information System Design<br>Room A-602</td>
      <td>CSE 303 <br>Microprocessors & Embedded Systems<br>Room J-101</td>
    </tr>
    <tr>
      <th>Wednesday</th>
      <td>EEE 301 <br>Electrical Drives & Instrumentation<br>Room A-602</td>
      <td>CSE 305 <br>Information System Design<br>Room A-602</td>
      <td></td>
      <td colspan="2">CSE 304 <br>Microprocessors & Embedded Systems Lab<br>Room A-508</td>
    </tr>
  </table>
</body>
```

```
</html>
```

6. OUTPUT

Output Description:
The HTML page displays a well-structured class routine table with the course details and schedule for each weekday.

Class Routine

Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Student Name: Majharul Islam (ID: 232002256)

Time / Day	08:30-10:00	10:00-11:30	11:30-01:00	01:30-03:00	03:00-04:30
Sunday	CSE 301 Web Programming Room K-103	CSE 303 Microprocessors & Embedded Systems Room K-105	EEE 301 Electrical Drives & Instrumentation Room A-605	CSE 308 Design Project I Room K-109	
Tuesday	CSE 302 Web Programming Lab Room K-102		CSE 301 Web Programming Room K-103	CSE 305 Information System Design Room A-602	CSE 303 Microprocessors & Embedded Systems Room J-101
Wednesday	EEE 301 Electrical Drives & Instrumentation Room A-602	CSE 305 Information System Design Room A-602		CSE 304 Microprocessors & Embedded Systems Lab Room A-508	

8. ANALYSIS AND DISCUSSION

- **Challenges:** Adjusting table width and aligning text properly.
- **Improvements:** Could use more advanced CSS for better visuals (e.g., background colors, hover effects).
- **Learning Outcome:** Gained hands-on experience with HTML table formatting and inline CSS.
- **Achievement of Objective:** All listed objectives were achieved — proper use of HTML and CSS for structured layout.

9. SUMMARY

In this lab, I learned how to use HTML to create a formatted class routine webpage. This experiment strengthened my understanding of HTML structure, and table management.