

EXPERIMENT 25

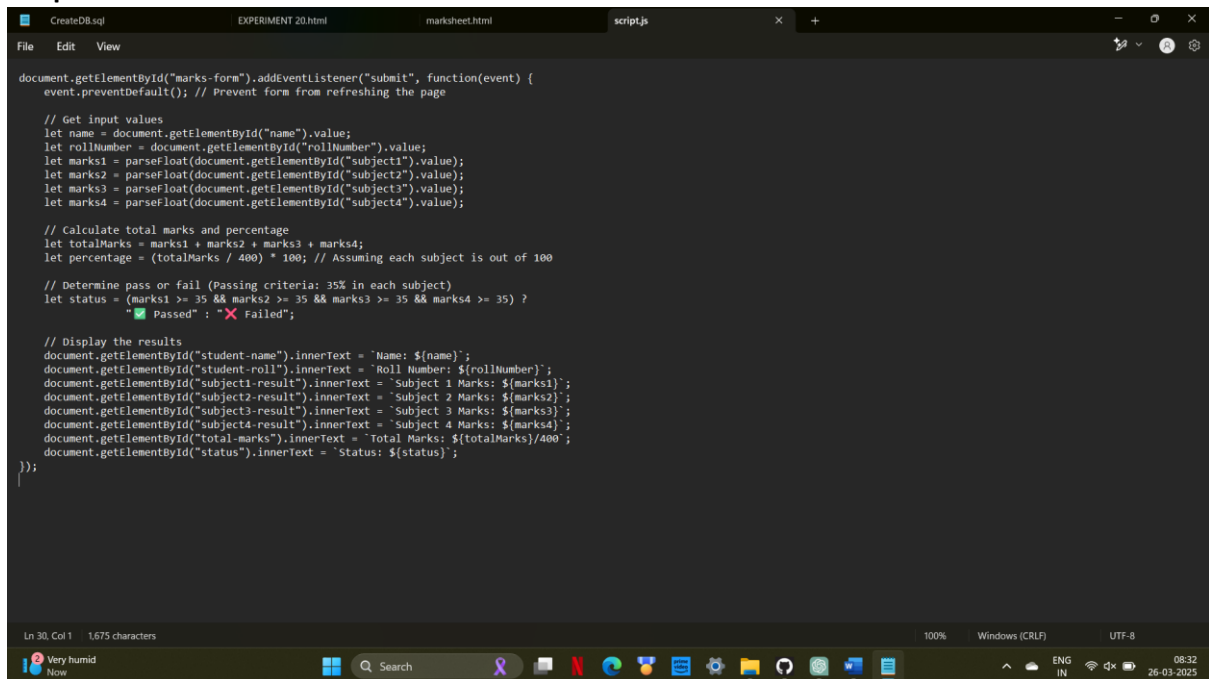
Aim:

To develop a **marksheet processing system** that calculates and displays student marks.

Procedure:

1. Create a **SQL database** with a Marks table (StudentID, Subject, Marks).
2. Develop a **front-end form (WebForm1.aspx)** to input student marks.
3. Implement **marks calculation logic** (Total, Percentage, Grade).
4. Use **DML queries** to store data and **DQL queries** to retrieve marks.
5. Display marks in a **GridView** and validate the grading system.

Output:



```
document.getElementById("marks-form").addEventListener("submit", function(event) {
    event.preventDefault(); // Prevent form from refreshing the page

    // Get input values
    let name = document.getElementById("name").value;
    let rollNumber = document.getElementById("rollNumber").value;
    let marks1 = parseFloat(document.getElementById("subject1").value);
    let marks2 = parseFloat(document.getElementById("subject2").value);
    let marks3 = parseFloat(document.getElementById("subject3").value);
    let marks4 = parseFloat(document.getElementById("subject4").value);

    // Calculate total marks and percentage
    let totalMarks = marks1 + marks2 + marks3 + marks4;
    let percentage = (totalMarks / 400) * 100; // Assuming each subject is out of 100

    // Determine pass or fail (Passing criteria: 35% in each subject)
    let status = (marks1 >= 35 && marks2 >= 35 && marks3 >= 35 && marks4 >= 35) ?
        "✅ Passed" : "❌ Failed";

    // Display the results
    document.getElementById("student-name").innerText = `Name: ${name}`;
    document.getElementById("student-roll").innerText = `Roll Number: ${rollNumber}`;
    document.getElementById("subject1-result").innerText = `Subject 1 Marks: ${marks1}`;
    document.getElementById("subject2-result").innerText = `Subject 2 Marks: ${marks2}`;
    document.getElementById("subject3-result").innerText = `Subject 3 Marks: ${marks3}`;
    document.getElementById("subject4-result").innerText = `Subject 4 Marks: ${marks4}`;
    document.getElementById("total-marks").innerText = `Total Marks: ${totalMarks}/400`;
    document.getElementById("status").innerText = `Status: ${status}`;
});
```

```
File Edit View
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Marksheet Processing System</title>
</head>
<body>
<h2>Marksheet Processing System</h2>
<form id="marks-form">
<label for="name">Student Name:</label>
<input type="text" id="name" name="name" required><br><br>
<label for="rollNumber">Roll Number:</label>
<input type="text" id="rollNumber" name="rollNumber" required><br><br>
<label for="subject1">Subject 1 Marks:</label>
<input type="number" id="subject1" name="subject1" required><br><br>
<label for="subject2">Subject 2 Marks:</label>
<input type="number" id="subject2" name="subject2" required><br><br>
<label for="subject3">Subject 3 Marks:</label>
<input type="number" id="subject3" name="subject3" required><br><br>
<label for="subject4">Subject 4 Marks:</label>
<input type="number" id="subject4" name="subject4" required><br><br>
<button type="submit">Submit Marksheet</button>
</form>
<div id="marksheet-result">
<h3>Marksheet:</h3>
<p id="student-name"></p>
<p id="student-roll"></p>
<p id="subject1-result"></p>
<p id="subject2-result"></p>
<p id="subject3-result"></p>
<p id="subject4-result"></p>
<p id="total-marks"></p>
<p id="status"></p>
</div>
<script src="script.js"></script> <!-- JS for form handling -->
</body>
</html>
Ln 49, Col 8 1561 characters
80% Windows (CRLF) UTF-8
```



Marksheet Processing System

Student Name:

Roll Number:

Subject 1 Marks:

Subject 2 Marks:

Subject 3 Marks:

Subject 4 Marks:

Marksheet:

Name: indhu
Roll Number: 215
Subject 1 Marks: 91
Subject 2 Marks: 97
Subject 3 Marks: 99
Subject 4 Marks: 100
Total Marks: 387/400
Status: ✔ Passed



Result:

A **marksheet processing system** was successfully implemented with a working frontend and backend.