Assignment 06

Name: Darshan Hangoje
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Code:

[app.py](app.py)

```python
from flask import Flask, render_template, request

app = Flask(__name__)

@app.route('/')
def index():
    return render_template('form.html')

@app.route('/result', methods=['POST'])
def result():
    name = request.form['name']
    roll = request.form['roll']
    dept = request.form['dept']
    semester = int(request.form['semester'])
    marks1 = int(request.form['marks1'])
    marks2 = int(request.form['marks2'])
    marks3 = int(request.form['marks3'])

    total = marks1 + marks2 + marks3
    percentage = total / 3
    if percentage >= 80:
        grade = 'A'
    elif percentage >= 60:
        grade = 'B'
    elif percentage >= 40:
        grade = 'C'
    else:
        grade = 'Fail'
```

```python
    return render_template('result.html',
                           name=name, roll=roll, dept=dept,
                           semester=semester, marks=[marks1, marks2,
marks3],
                           total=total, percentage=round(percentage, 2),
                           grade=grade)


if __name__ == '__main__':
    app.run(debug=True)
```

Form.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Student Performance Form</title>
</head>
<body style="font-family: Arial; margin: 30px;">
    <h2>Student Information Form</h2>
    <form action="/result" method="post">
        <label>Name:</label><br>
        <input type="text" name="name" required><br><br>

        <label>Roll No:</label><br>
        <input type="text" name="roll" required><br><br>

        <label>Department:</label><br>
        <input type="text" name="dept" required><br><br>

        <label>Semester:</label><br>
        <input type="number" name="semester" required><br><br>

        <label>Marks in Subject 1:</label><br>
        <input type="number" name="marks1" required><br><br>

        <label>Marks in Subject 2:</label><br>
        <input type="number" name="marks2" required><br><br>

        <label>Marks in Subject 3:</label><br>
        <input type="number" name="marks3" required><br><br>
```

```
            <input type="submit" value="Submit">
    </form>
</body>
</html>
```

Result.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Student Result</title>
    <style>
        table, th, td {
            border: 1px solid black;
            border-collapse: collapse;
            padding: 8px;}
    </style>
</head>
<body style="font-family: Arial; margin: 30px;">
    <h2>Example Output:</h2>
    <table>
        <tr><th>Field</th><th>Example Value</th></tr>
        <tr><td>Name</td><td>{{ name }}</td></tr>
        <tr><td>Roll No</td><td>{{ roll }}</td></tr>
        <tr><td>Department</td><td>{{ dept }}</td></tr>
        <tr><td>Semester</td><td>{{ semester }}</td></tr>
        <tr><td>Marks</td><td>{{ marks[0] }}, {{ marks[1] }}, {{ marks[2]
}}</td></tr>
        <tr><td>Total Marks</td><td>{{ total }}</td></tr>
        <tr><td>Percentage</td><td>{{ percentage }}%</td></tr>
        <tr><td>Grade</td><td>{{ grade }}</td></tr>
    </table>
</body>
</html>
```

Output:

Student Information Form

Name:

Darshan Hangoje

Roll No:

202251034

Department:

Computer Science

Semester:

5

Marks in Subject 1:

80

Marks in Subject 2:

70

Marks in Subject 3:

90

Submit

Example Output:

Field	Example Value
Name	Darshan Hangoje
Roll No	202251034
Department	Computer Science
Semester	5
Marks	80, 70, 90
Total Marks	240
Percentage	80.0%
Grade	A