EXPERIMENT 4.2

AIM:

Student Management System Using MongoDB and MVC Architecture

CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Student Management System</title>
  <style>
    body { font-family: Arial, sans-serif; margin: 20px; }
    h2 { margin-top: 20px; }
    form { margin-bottom: 20px; }
    input, button { margin: 5px 0; padding: 6px; }
    table { border-collapse: collapse; width: 100%; margin-top: 10px; }
    table, th, td { border: 1px solid #333; }
    th, td { padding: 8px; text-align: left; }
  </style>
</head>
<body>

  <h1>Student Management System</h1>

  <!-- Add Student Form -->
  <h2>Add Student</h2>
  <form id="studentForm">
    <input type="text" id="firstName" placeholder="First Name" required>
    <input type="text" id="lastName" placeholder="Last Name" required>
    <input type="text" id="rollNumber" placeholder="Roll Number" required>
```

```html
    <input type="email" id="email" placeholder="Email" required>
    <input type="text" id="course" placeholder="Course">
    <input type="number" id="year" placeholder="Year">
    <button type="submit">Add</button>
  </form>

  <!-- Student List -->
  <h2>All Students</h2>
  <table id="studentTable">
    <thead>
      <tr>
        <th>Name</th>
        <th>Roll No.</th>
        <th>Email</th>
        <th>Course</th>
        <th>Year</th>
        <th>Action</th>
      </tr>
    </thead>
    <tbody></tbody>
  </table>

  <script>
    const form = document.getElementById('studentForm');
    const tableBody = document.querySelector('#studentTable tbody');
    let students = [];

    // Add student
    form.addEventListener('submit', e => {
      e.preventDefault();
      const student = {
```

```javascript
        firstName: document.getElementById('firstName').value,

        lastName: document.getElementById('lastName').value,

        rollNumber: document.getElementById('rollNumber').value,

        email: document.getElementById('email').value,

        course: document.getElementById('course').value,

        year: document.getElementById('year').value
    };

    students.push(student);

    renderTable();

    form.reset();
});


// Render student list

function renderTable() {
    tableBody.innerHTML = '';
    students.forEach((s, i) => {
        const row = `<tr>
            <td>${s.firstName} ${s.lastName}</td>

            <td>${s.rollNumber}</td>

            <td>${s.email}</td>

            <td>${s.course}</td>

            <td>${s.year}</td>

            <td><button onclick="deleteStudent(${i})">Delete</button></td>
        </tr>`;

        tableBody.innerHTML += row;
    });
}


// Delete student

function deleteStudent(index) {
    students.splice(index, 1);
```

```
      renderTable();

    }

  </script>


</body>

</html>
```

OUTPUT:

Student Management System

Add Student

First Name	Last Name	Roll Number
Email	Course	Year

Add

All Students

Name	Roll No.	Email	Course	Year	Action

1. Home
2. <%= current %>