EXPERIMENT 9

AIM: Form handling using express and node js.

OBJECTIVE:

- To provide knowledge on developing web pages design and development.
- To understand how the HTML, CSS and JavaScript components of Bootstrap work.

OUTCOME:

- Develop static web pages using HTML, CSS and Bootstrap.
- Develop interactive web pages using JS.
- Use React JS framework in web pages effectively.
- Create an end-to-end application from scratch using NODE JS and Express

PROGRAM CODE:

index.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Handling with Express</title>
    <link rel="stylesheet" href="/style.css">
</head>

<body>
    <div class="form-container">
        <h1>Exam Registration Form</h1>
        <form action="/submit-form" method="POST">
            <label for="name">Student Name:</label>
            <input type="text" id="name" name="name" required>
            <br>
```

```html
            <label for="email">Email:</label>
            <input type="email" id="email" name="email" required>
            <br>
            <label for="contact">Contact:</label>
            <input type="text" id="contact" name="contact" required>
            <br>
            <label for="Class">Class:</label>
            <input type="text" id="class" name="classname" required>
            <br>
            <label for="Branch">Branch:</label>
            <input type="text" id="Branch" name="Branch" required>
            <br>
            <label for="Semester">Semester:</label>
            <input type="number" id="Semester" name="Semester" required>
            <br>
            <label for="Student hallticket number">Student Hallticket
Number:</label>
            <input type="text" id="Student Hallticket Number"
name="StudentHallticketNumber" required>
            <br>
            <label for="Exam Date">Exam Date:</label>
            <input type="date" id="Exam Date" name="ExamDate" required>
            <br>
            <button type="submit">Submit</button>
        </form>
    </div>
</body>

</html>
```
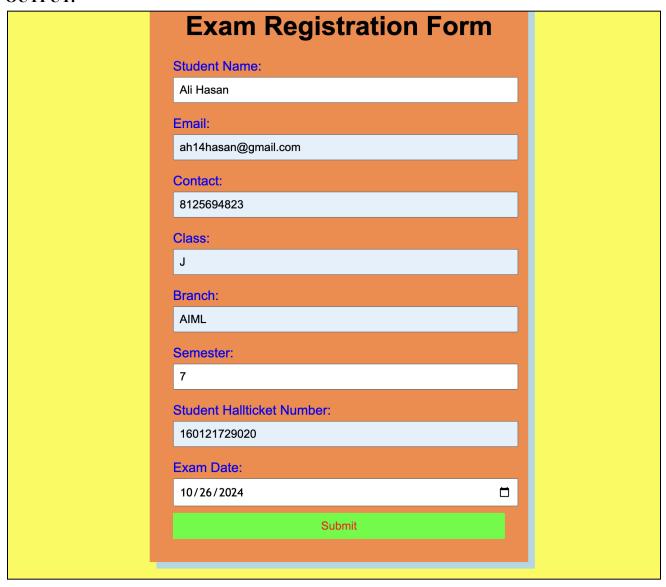
style.css

```css
body {
    background-color: #fffc41;
    font-family: Arial, sans-serif;
}
```

```css
.form-container {
    width: 500px;
    margin: 200px auto;
    padding: 35px;
    background-color: rgb(255, 134, 64);
    box-shadow: 10px 10px lightblue;
}

h1 {
    text-align: center;
}

label {
    display: block;
    margin: 10px 0 5px;
    color: rgb(4, 0, 255);
}

input {
    width: 100%;
    padding: 8px;
    margin-bottom: 10px;
}

button {
    width: 100%;
    padding: 10px;
    background-color: #09ff00;
    color: rgb(255, 0, 0);
    border: none;
    cursor: pointer;
}
button:hover {
    background-color: #b30095;
}
```

app.js

```javascript
const express = require('express');
const path = require('path');
const bodyParser = require('body-parser');
const app = express();
const port = 3000;
// Middleware to parse the form data
app.use(bodyParser.urlencoded({ extended: false }));
// Serve static files (for serving CSS)
app.use(express.static(path.join(__dirname, 'public')));


// Route to display the form
app.get('/', (req, res) => {
   res.sendFile(path.join(__dirname, 'views', 'index.html'));
});
// Route to handle form submission
app.post('/submit-form', (req, res) => {
   const { name, email, contact, classname, Branch, Semester,
StudentHallticketNumber, ExamDate} = req.body;
   res.send(`<h1>Form Submitted</h1>
      <p>Name: ${name}</p>
      <p>Email: ${email}</p>
      <p>Contact: ${contact}</p>
      <p>Class: ${classname}</p>
      <p>Branch: ${Branch}</p>
      <p>Semester: ${Semester}</p>
      <p>Student Hallticket Number: ${StudentHallticketNumber}</p>
      <p>Exam Date: ${ExamDate}</p>`);
});
// Start the server
app.listen(port, () => {
   console.log(`Server running at http://localhost:${port}`);
});
```

OUTPUT:

Exam Registration Form

Student Name:

Ali Hasan

Email:

ah14hasan@gmail.com

Contact:

8125694823

Class:

J

Branch:

AIML

Semester:

7

Student Hallticket Number:

160121729020

Exam Date:

10/26/2024

Submit

Form Submitted

Name: Ali Hasan

Email: ah14hasan@gmail.com

Contact: 8125694823

Class: J

Branch: AIML

Semester: 7

Student Hallticket Number: 160121729020

Exam Date: 2024-10-26