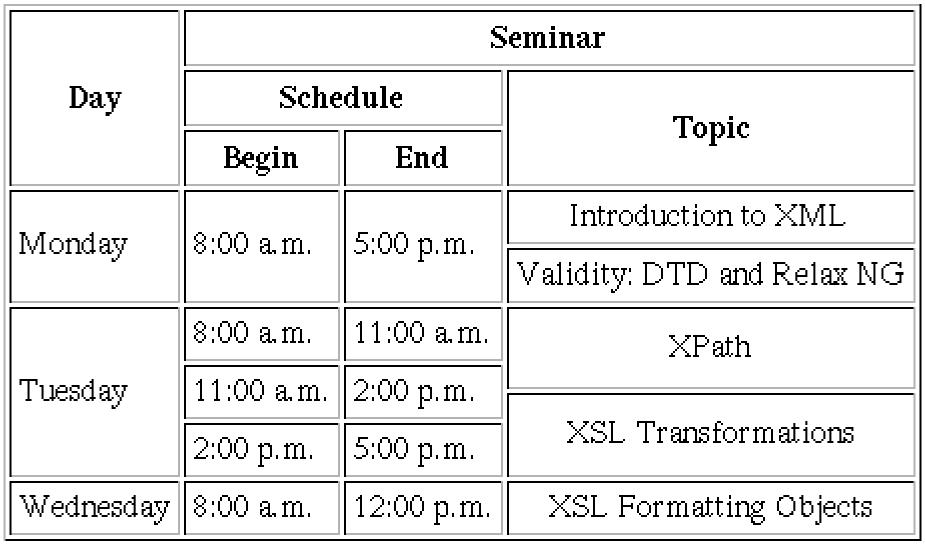
<u>Questions</u>

1. Use <iframe> tag:-

- Implement <iframe> tag by embedding the following elements from another webpage: `<header>`, `<nav>`, `<section>,` <article>, <footer>. Add a navigation bar inside <nav> with links to different sections of the page using the <a> tag.
- Embed a table from another webpage using <iframe>. The structure of the table should be as:-



Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	XSL Transformations
	2:00 p.m.	5:00 p.m.	
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

- Embed <map> and <area> from another web page using <iframe>. Create a clickable map of a school or college campus.

➢ Use an <img> tag to display a campus map.

➢ Use a <map> with multiple <area> tags to create clickable zones for different buildings (e.g., Library, Cafeteria, Sports Complex).

➢ Each <area> should link to a new page with information about that building. Use alt attributes to describe each area.

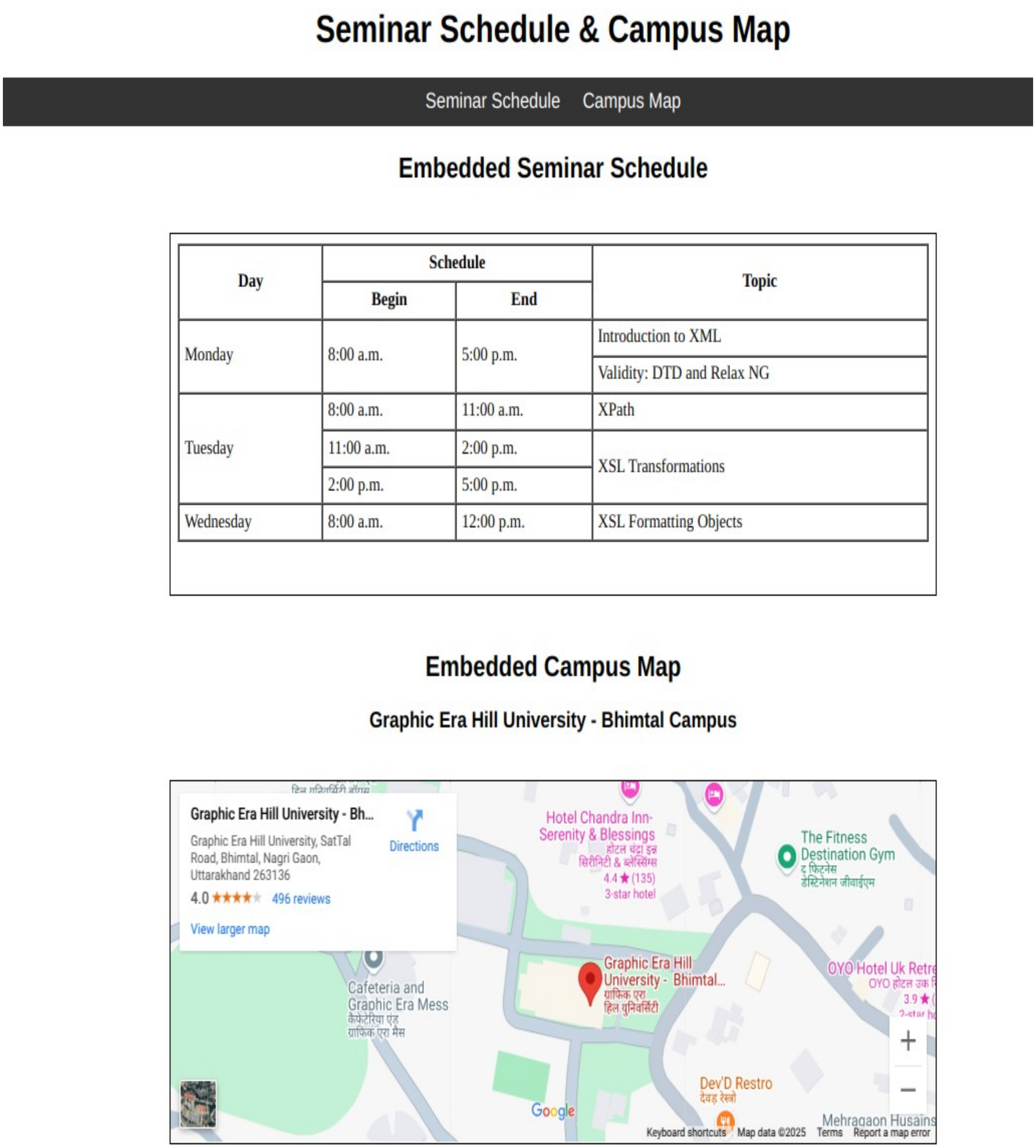
Iframe Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Seminar Schedule & Campus Map</title>
<style>
body {
font-family: Arial, sans-serif;
text-align: center;
margin: 0;
padding: 0;
}
nav {
background-color: #333;
padding: 10px;
}
nav a {
color: white;
text-decoration: none;
margin: 10px;
font-size: 18px;
}
iframe {
width: 40%;
height: 300px;

border: 2px solid black;

margin: 20px 0;

}

</style>

</head>

<body>

<header>

<h1>Seminar Schedule & Campus Map</h1>

</header>

<nav>

<a href="#table">Seminar Schedule</a>

<a href="#map">Campus Map</a>

</nav>

<section>

<h2 id="table">Embedded Seminar Schedule</h2>

<iframe srcdoc='

<html>

<head><title>Seminar Schedule</title></head>

<body>

<table border="1" width="100%" cellpadding="5" cellspacing="0">

<tr>

<th rowspan="2">Day</th>

<th colspan="2">Schedule</th>

<th rowspan="2">Topic</th>

</tr>

<tr>
```

```
<th>Begin</th>
<th>End</th>
</tr>
<tr>
<td rowspan="2">Monday</td>
<td rowspan="2">8:00 a.m.</td>
<td rowspan="2">5:00 p.m.</td>
<td>Introduction to XML</td>
</tr>
<tr>
<td colspan="2">Validity: DTD and Relax NG</td>
</tr>
<tr>
<td rowspan="3">Tuesday</td>
<td>8:00 a.m.</td>
<td>11:00 a.m.</td>
<td>XPath</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>2:00 p.m.</td>
<td rowspan="2">XSL Transformations</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>5:00 p.m.</td>
</tr>
```

```
<tr>

<td>Wednesday</td>

<td>8:00 a.m.</td>

<td>12:00 p.m.</td>

<td>XSL Formatting Objects</td>

</tr>

</table>

</body>

</html>' title="Seminar Table"></iframe>

<h2 id="map">Embedded Campus Map</h2>

<!-- Google Map of GEHU Bhimtal -->

<h3>Graphic Era Hill University - Bhimtal Campus</h3>

<iframe

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d1364.405374216063!
2d79.5282716!3d29.375376!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!
1s0x39a0987622d2a7f3%3A0x8a1cf97c55e9e156!2sGraphic%20Era%20Hill%20University
%20-%20Bhimtal%20Campus!5e0!3m2!1sen!2sin!4v1710512000000"

allowfullscreen=""

loading="lazy">

</iframe>

<!-- Interactive Image Map -->

</section>

<footer>

<p>&copy; 2025 College Seminar Page</p>

</footer>

</body>
```

```
</htm>
```



Seminar Schedule & Campus Map

Seminar Schedule   Campus Map

Embedded Seminar Schedule

Day	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	XSL Transformations
	2:00 p.m.	5:00 p.m.	
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

Embedded Campus Map

Graphic Era Hill University - Bhimtal Campus

Graphic Era Hill University - Bh...

Graphic Era Hill University, SatTal Road, Bhimtal, Nagri Gaon, Uttarakhand 263136

4.0 ★★★★☆ 496 reviews

View larger map

Directions
Hotel Chandra Inn-Serenity & Blessings
होटल चंद्रा इन्न सिरीनिटी & ब्लेसिंग्स
4.4 ★ (135)
3-star hotel
The Fitness Destination Gym
द फिटनेस डेस्टिनेशन जीवाईएम
Graphic Era Hill University - Bhimtal...
ग्राफिक एरा हिल युनिवर्सिटी
OYO Hotel Uk Retr
OYO होटल उक
3.9 ★
Cafeteria and Graphic Era Mess
कैफेटेरिया एंड ग्राफिक एरा मैस
Dev'D Restro
देवड़ रेस्त्रो
Mehragaon Husains
Google
Keyboard shortcuts
Map data ©2025
Terms
Report a map error
+
−

2. Implement the following using CSS3:

- Style a webpage by changing the font, color, and size of headings and paragraphs.
- Create a button with **background color, padding, and rounded corners**. Add a **hover effect** that changes the background color.
- Display an **image** and add a **border-radius** for rounded corners and add a **shadow effect** to the image.
- Create an **animated gradient border** around a div using @keyframes and border-image-source.

    - ➢ Apply an **animated gradient border** that changes colors.
    - ➢ Use border-image-source instead of solid borders.

- Create a **parallax scrolling effect** where the background image moves at a different speed than the content.
    - ➢ Use background-attachment: fixed; for the parallax effect.
    - ➢ Ensure the content scrolls **over the background** smoothly.
- Use Flexbox to center a box in the middle of the page:-
    - ➢ Create a div box and center it both vertically and horizontally.
    - ➢ Add padding, background color, and a shadow to the box.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>CSS3 Practical Demo</title>
<style>

body {
font-family: 'Arial', sans-serif;
margin: 0;
padding: 0;
color: #333;
background-color: #f8f9fa;
}
h1,
h2 {
text-align: center;
margin: 20px 0;
color: #0056b3;
}
p {
text-align: center;
font-size: 18px;
color: #444;
width: 80%;
```

```css
margin: auto;
}
section {
padding: 40px;
text-align: center;
border-bottom: 2px solid #ddd;
}

.btn {
display: inline-block;
padding: 12px 25px;
font-size: 20px;
color: white;
background: linear-gradient(90deg, #007bff, #00b4d8);
border: none;
border-radius: 30px;
cursor: pointer;
transition: 0.4s ease-in-out;
box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.2);
}
.btn:hover {
background: linear-gradient(90deg, #00b4d8, #007bff);
transform: scale(1.1);
}

.styled-img {
width: 350px;
```

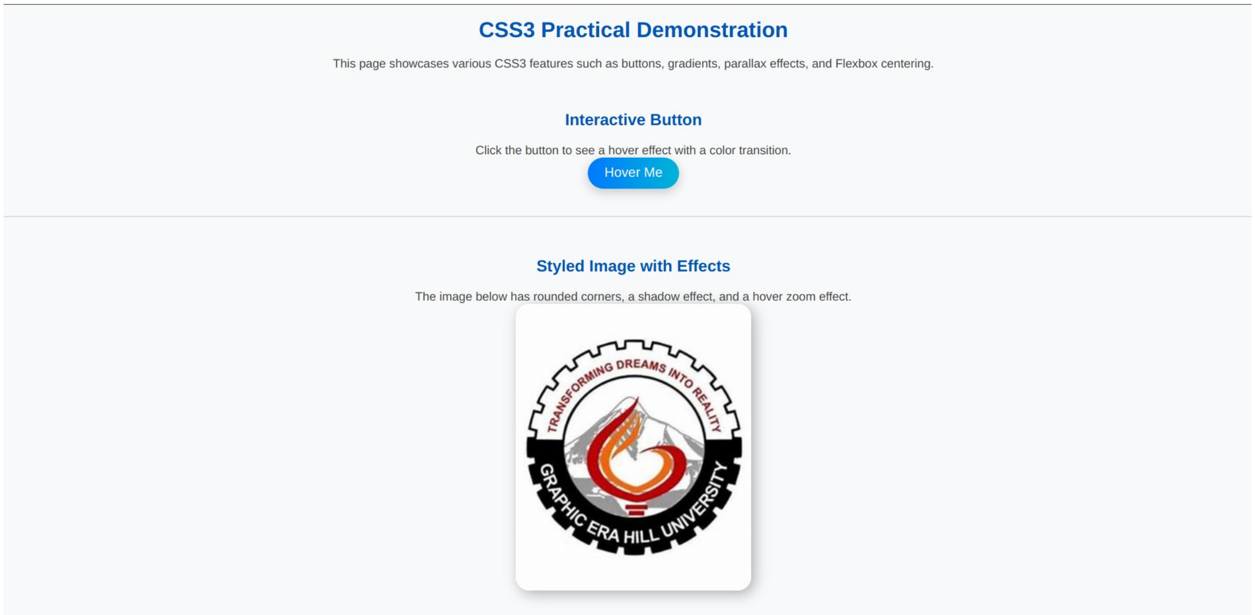
```css
height: auto;
border-radius: 20px;
box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.3);
transition: transform 0.3s ease-in-out;
}
.styled-img:hover {
transform: scale(1.05);
}

@keyframes gradientBorder {
0% {
border-image-source: linear-gradient(45deg, #ff5733, #ffcc33);
}
50% {
border-image-source: linear-gradient(45deg, #33ff57, #33ccff);
}
100% {
border-image-source: linear-gradient(45deg, #ff33cc, #5733ff);
}
}
.gradient-border {
width: 300px;
height: 100px;
margin: 30px auto;
text-align: center;
line-height: 100px;
font-size: 22px;
```

```
font-weight: bold;
border: 12px solid;
border-image-slice: 1;
animation: gradientBorder 3s infinite alternate;
}

.parallax {
background-image: url('https://source.unsplash.com/1600x900/?nature,mountains');

height: 400px;
background-attachment: fixed;
background-position: center;
background-repeat: no-repeat;
background-size: cover;
display: flex;
align-items: center;
justify-content: center;
color: white;
font-size: 28px;
font-weight: bold;
text-shadow: 2px 2px 10px rgba(0, 0, 0, 0.5);
}

.center-box {
display: flex;
justify-content: center;
align-items: center;
```

```
height: 100vh;

}
.box {
width: 320px;
height: 200px;
padding: 20px;
text-align: center;
background: linear-gradient(120deg, #ff9a9e, #fad0c4);
box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.3);
border-radius: 15px;
font-size: 20px;
font-weight: bold;
color: white;
}
</style>
</head>
<body>
<h1>CSS3 Practical Demonstration</h1>
<p>This page showcases various CSS3 features such as buttons, gradients, parallax effects, and Flexbox centering.
</p>

<section>
<h2>Interactive Button</h2>
<p>Click the button to see a hover effect with a color transition.</p>
<button class="btn">Hover Me</button>
```

```html
</section>

<section>
<h2>Styled Image with Effects</h2>
<p>The image below has rounded corners, a shadow effect, and a hover zoom effect.</p>
<img src="https://resources.saylor.org/wwwresources/wp-content/uploads/
20231121110004/gehu-logo.jpeg"
alt="GEHU Logo" class="styled-img">
</section>

<section>
<h2>Animated Gradient Border</h2>
<p>This box has a border that changes colors dynamically using CSS animations.</p>
<div class="gradient-border">Gradient Border</div>
</section>

<section class="parallax">
Smooth Parallax Scrolling
</section>

<section>
<h2>Centered Box using Flexbox</h2>
<p>This box is perfectly centered using CSS Flexbox.</p>
<div class="center-box">
<div class="box">
Centered Box with Gradient Background
</div>
```

```
</div>

</section>

</body>

</html>
```



CSS3 Practical Demonstration

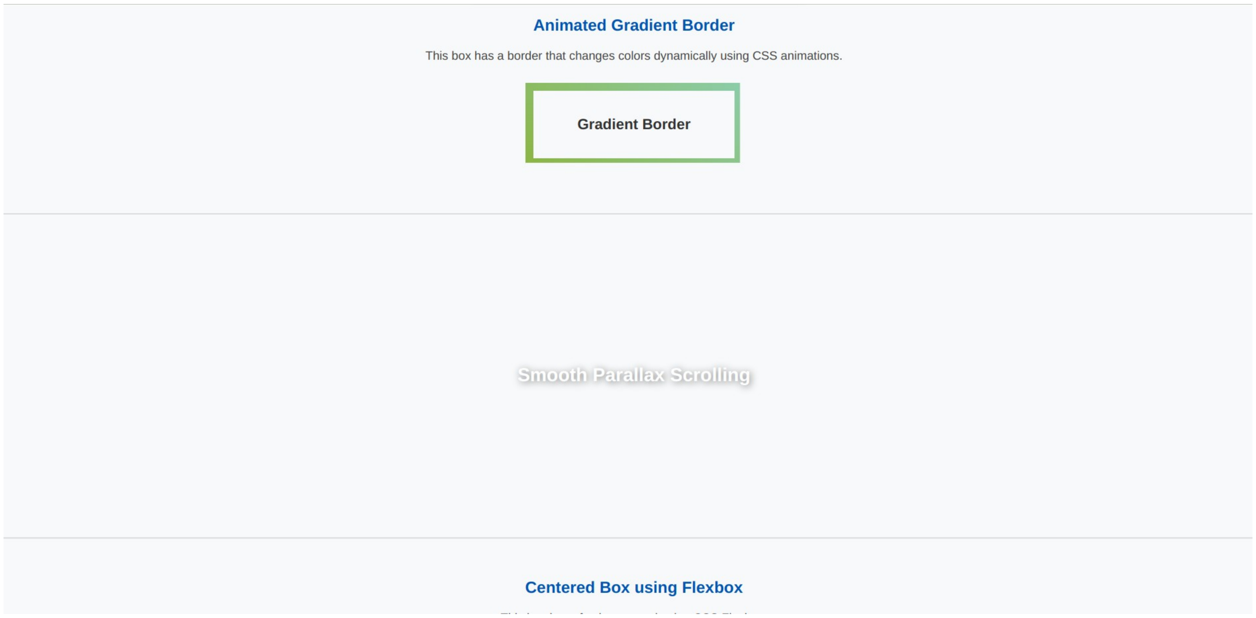
This page showcases various CSS3 features such as buttons, gradients, parallax effects, and Flexbox centering.

Interactive Button

Click the button to see a hover effect with a color transition.

Styled Image with Effects

The image below has rounded corners, a shadow effect, and a hover zoom effect.



Animated Gradient Border

This box has a border that changes colors dynamically using CSS animations.

Centered Box using Flexbox

3. Implement Javascript for following:-

- Create a **Student Registration Form** using **HTML** that includes the following fields:

  Form Requirements:

  - **Student Name** – (Text input, Required)
  - **Email** – (Email input, Required, Must be in a valid email format)
  - **Phone Number** – (Number input, Required, Must be exactly 10 digits)
  - **Date of Birth** – (Date input, Required)
  - **Gender** – (Radio buttons: Male, Female, Other, Required)
  - **Course Selection** – (Dropdown with at least 3 options, Required)
  - **Address** – (Textarea, Required)
  - **Password** – (Password input, Required, Minimum 6 characters)
  - **Confirm Password** – (Password input, Must match Password)
  - **Submit Button** – (Button to submit the form)

Validate a user registration form (e.g., check email format, password strength).

- **To-Do List** – Create a simple to-do list where users can add and remove tasks.
- **Digital Clock** – Display the current time that updates every second.
- **Color Changer** – Allow users to change the background color by clicking buttons.
- **Image Slider** – Create a basic image carousel that auto-plays or changes images on button clicks.

Form Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Student Registration Form</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
}
.container {
background: white;
padding: 20px;
border-radius: 10px;
box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
width: 400px;
}
h2 {
text-align: center;
}
```

```css
label {
font-weight: bold;
}
input, select, textarea {
width: 100%;
padding: 8px;
margin: 5px 0 10px;
border: 1px solid #ccc;
border-radius: 5px;
}
.gender-group {
display: flex;
gap: 10px;
}
button {
background-color: #28a745;
color: white;
border: none;
padding: 10px;
border-radius: 5px;
font-size: 16px;
cursor: pointer;
width: 100%;
}
button:hover {
background-color: #218838;
}
```

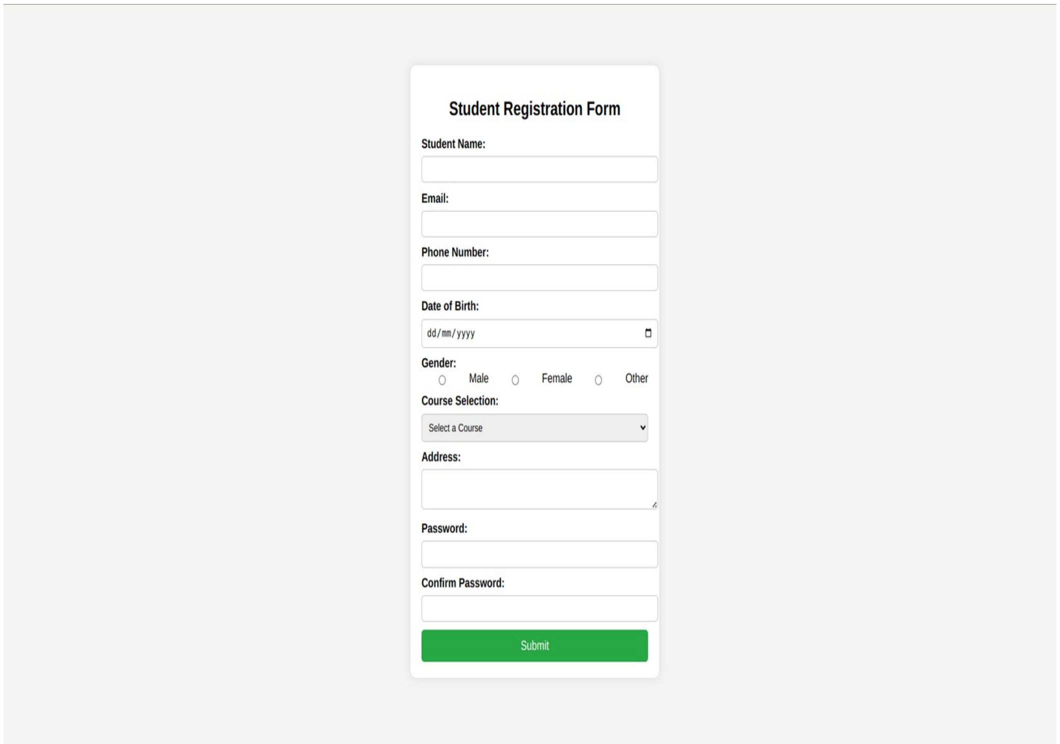
```
.error {
color: red;
font-size: 14px;
}
</style>
</head>
<body>
<div class="container">
<h2>Student Registration Form</h2>
<form id="registrationForm">
<label for="name">Student Name:</label>
<input type="text" id="name" required>
<span id="nameError" class="error"></span>
<label for="email">Email:</label>
<input type="email" id="email" required>
<span id="emailError" class="error"></span>
<label for="phone">Phone Number:</label>
<input type="number" id="phone" required>
<span id="phoneError" class="error"></span>
<label for="dob">Date of Birth:</label>
<input type="date" id="dob" required>
<span id="dobError" class="error"></span>
<label>Gender:</label>
<div class="gender-group">
<input type="radio" name="gender" value="Male" required> Male
<input type="radio" name="gender" value="Female" required> Female
<input type="radio" name="gender" value="Other" required> Other
```

```
</div>
<span id="genderError" class="error"></span>
<label for="course">Course Selection:</label>
<select id="course" required>
<option value="">Select a Course</option>
<option value="B.Tech">B.Tech</option>
<option value="MBA">MBA</option>
<option value="B.Sc">B.Sc</option>
</select>
<span id="courseError" class="error"></span>
<label for="address">Address:</label>
<textarea id="address" required></textarea>
<span id="addressError" class="error"></span>
<label for="password">Password:</label>
<input type="password" id="password" required>
<span id="passwordError" class="error"></span>
<label for="confirmPassword">Confirm Password:</label>
<input type="password" id="confirmPassword" required>
<span id="confirmPasswordError" class="error"></span>
<button type="submit">Submit</button>
</form>
</div>
<script>
document.getElementById("registrationForm").addEventListener("submit", function(event) {
let valid = true;
```

```
const name = document.getElementById("name").value.trim();
if (name === "") {
document.getElementById("nameError").innerText = "Name is required!";
valid = false;
} else {
document.getElementById("nameError").innerText = "";
}

const email = document.getElementById("email").value.trim();
const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
if (!emailPattern.test(email)) {
document.getElementById("emailError").innerText = "Enter a valid email!";
valid = false;
} else {
document.getElementById("emailError").innerText = "";
}

const phone = document.getElementById("phone").value.trim();
if (phone.length !== 10 || isNaN(phone)) {
document.getElementById("phoneError").innerText = "Phone number must be 10 digits!";
valid = false;
} else {
document.getElementById("phoneError").innerText = "";
}

const dob = document.getElementById("dob").value;
if (!dob) {
```

```
document.getElementById("dobError").innerText = "Date of birth is required!";
valid = false;
} else {
document.getElementById("dobError").innerText = "";
}

const gender = document.querySelector('input[name="gender"]:checked');
if (!gender) {
document.getElementById("genderError").innerText = "Select a gender!";
valid = false;
} else {
document.getElementById("genderError").innerText = "";
}

const course = document.getElementById("course").value;
if (course === "") {
document.getElementById("courseError").innerText = "Select a course!";
valid = false;
} else {
document.getElementById("courseError").innerText = "";
}

const address = document.getElementById("address").value.trim();
if (address === "") {
document.getElementById("addressError").innerText = "Address is required!";
valid = false;
} else {
```

```
document.getElementById("addressError").innerText = "";
}

const password = document.getElementById("password").value.trim();
if (password.length < 6) {
document.getElementById("passwordError").innerText = "Password must be at least 6 characters!";
valid = false;
} else {
document.getElementById("passwordError").innerText = "";
}const confirmPassword = document.getElementById("confirmPassword").value.trim();
if (confirmPassword !== password) {
document.getElementById("confirmPasswordError").innerText = "Passwords do not match!";
valid = false;
} else {
document.getElementById("confirmPasswordError").innerText = "";
}
if (!valid) {
event.preventDefault();
}
});</script>
</body>
</html>
```



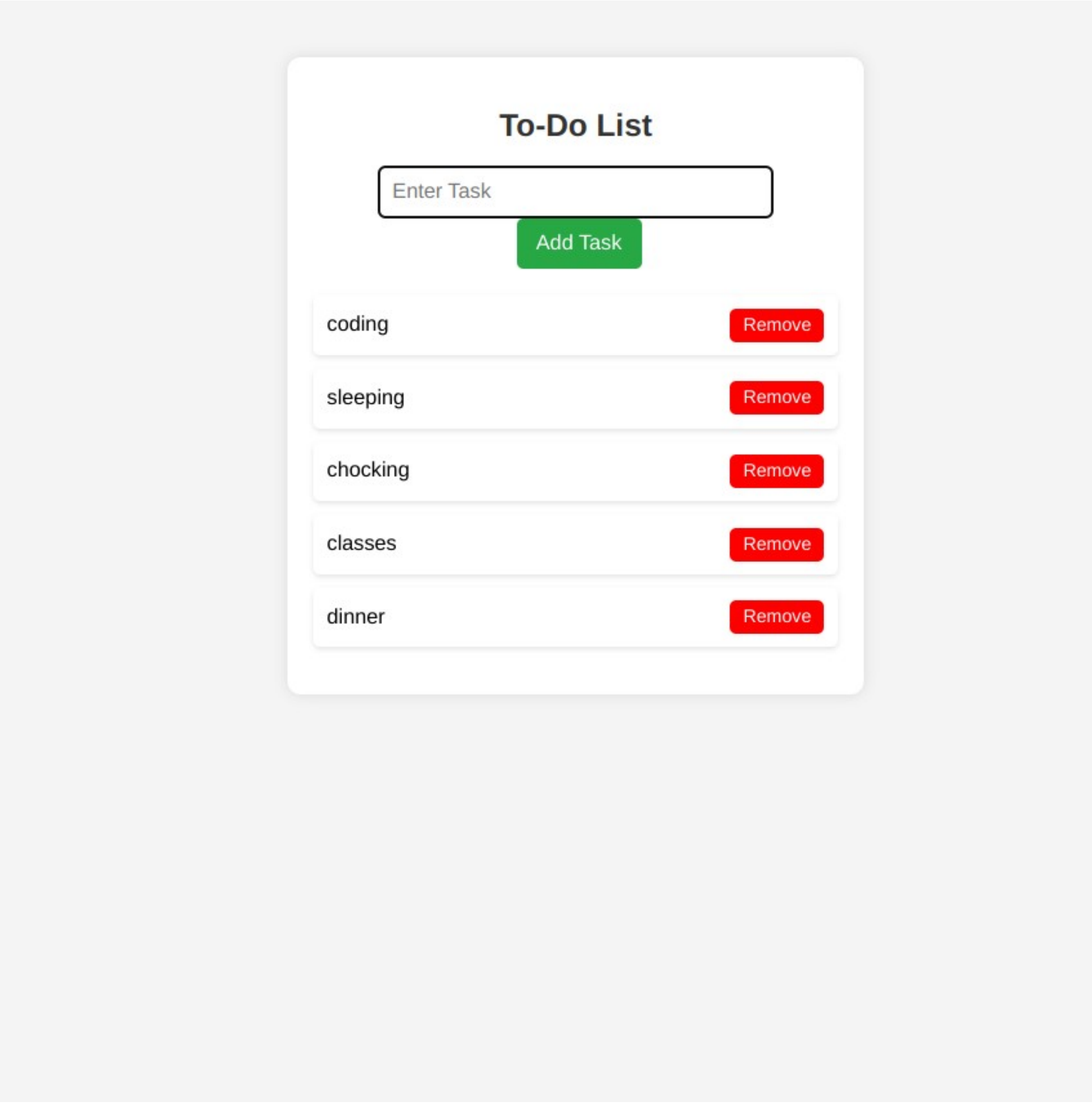
TODO list code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>To-Do List</title>
<style>
body {
font-family: Arial, sans-serif;
background: #f4f4f4;
text-align: center;
margin: 50px;
}
.container {
max-width: 400px;
background: white;
padding: 20px;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
margin: auto;
}
h2 {
margin-bottom: 15px;
color: #333;
}
```

```
input {
width: 70%;
padding: 10px;
border: 1px solid #ccc;
border-radius: 5px;
font-size: 16px;
}
button {
background: #28a745;
color: white;
border: none;
padding: 10px 15px;
font-size: 16px;
border-radius: 5px;
cursor: pointer;
margin-left: 5px;
}
button:hover {
background: #218838;
}
ul {
list-style: none;
padding: 0;
margin-top: 20px;
}
li {
background: #fff;
padding: 10px;

border-radius: 5px;

display: flex;

justify-content: space-between;

align-items: center;

margin-bottom: 10px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

transition: all 0.3s ease-in-out;

}

li.fade-out {

opacity: 0;

transform: translateX(20px);

transition: opacity 0.3s ease, transform 0.3s ease;

}

.remove-btn {

background: red;

color: white;

border: none;

padding: 5px 10px;

cursor: pointer;

border-radius: 5px;

font-size: 14px;

}

.remove-btn:hover {

background: darkred;

}

</style>
```

```
</head>
<body>
<div class="container">
<h2>To-Do List</h2>
<input type="text" id="task" placeholder="Enter Task">
<button onclick="addTask()">Add Task</button>
<ul id="taskList"></ul>
</div>
<script>
document.addEventListener("DOMContentLoaded", loadTasks);
document.getElementById("task").addEventListener("keypress", function(event) {
if (event.key === "Enter") {
addTask();
}
});
function addTask() {
let taskInput = document.getElementById("task");
let task = taskInput.value.trim();
if (task === "") {
alert("Please enter a task");
return;
}
let list = document.getElementById("taskList");
let li = document.createElement("li");
li.innerHTML = `${task} <button class="remove-btn"
onclick='removeTask(this)'>Remove</button>`;
list.appendChild(li);
```

```
saveTasks();
taskInput.value = "";
taskInput.focus();
}
function removeTask(element) {
let li = element.parentNode;
li.classList.add("fade-out");
setTimeout(() => {
li.remove();
saveTasks();
}, 300);
}
function saveTasks() {
let tasks = [];
document.querySelectorAll("#taskList li").forEach(item => {
tasks.push(item.firstChild.textContent);
});
localStorage.setItem("tasks", JSON.stringify(tasks));
}
function loadTasks() {
let savedTasks = JSON.parse(localStorage.getItem("tasks")) || [];
let list = document.getElementById("taskList");
savedTasks.forEach(task => {
let li = document.createElement("li");
li.innerHTML = `${task} <button class="remove-btn"
onclick='removeTask(this)'>Remove</button>`;
list.appendChild(li);
});
}
</script>
</body>
</html>
```



To-Do List

coding

sleeping

chocking

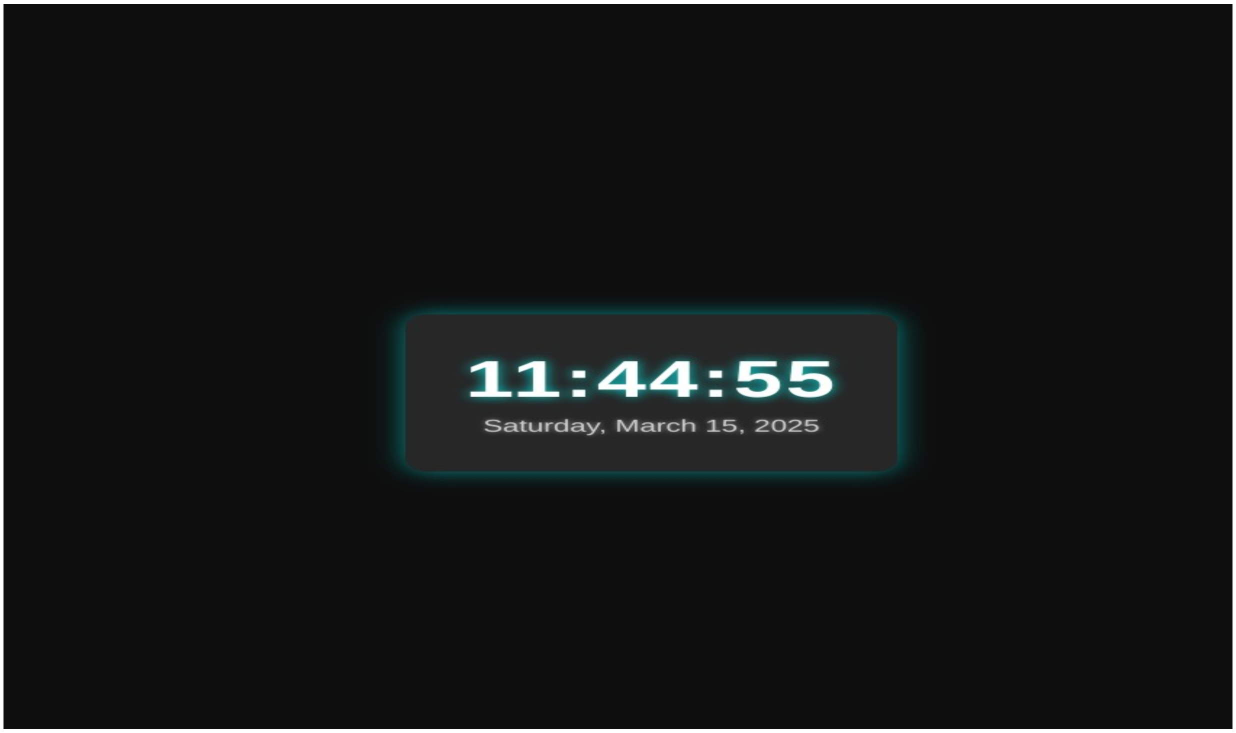
classes

dinner

Digital clock code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Digital Clock</title>
<style>
body {
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
background: #0e0e0e;
color: #fff;
font-family: 'Arial', sans-serif;
margin: 0;
}
.clock-container {
text-align: center;
background: rgba(255, 255, 255, 0.1);
padding: 40px;
border-radius: 15px;
box-shadow: 0px 0px 20px rgba(0, 255, 255, 0.5);
backdrop-filter: blur(10px);
}
```

```
.clock {
font-size: 60px;
font-weight: bold;
letter-spacing: 2px;
text-shadow: 0px 0px 10px rgba(0, 255, 255, 0.8);
transition: all 0.2s ease-in-out;
}
.clock:hover {
transform: scale(1.05);
}
.date {
font-size: 20px;
margin-top: 10px;
color: #ccc;
text-shadow: 0px 0px 5px rgba(255, 255, 255, 0.5);
}
</style>
</head>
<body>
<div class="clock-container">
<div class="clock" id="clock">00:00:00</div>
<div class="date" id="date">Loading...</div>
</div>
<script>
function updateClock() {
let now = new Date();
let hours = now.getHours().toString().padStart(2, '0');
let minutes = now.getMinutes().toString().padStart(2, '0');
let seconds = now.getSeconds().toString().padStart(2, '0');
let timeString = `${hours}:${minutes}:${seconds}`;
document.getElementById("clock").innerText = timeString;
let options = { weekday: 'long', month: 'long', day: 'numeric', year: 'numeric' };
document.getElementById("date").innerText = now.toLocaleDateString('en-US', options);
}
setInterval(updateClock, 1000);
updateClock();
</script>
</body>
</html>
```



```
11:44:55
Saturday, March 15, 2025
```

Image slider & color changes code:

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

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Color Changer & Image Slider</title>

<style>


body {

font-family: Arial, sans-serif;

text-align: center;

margin: 0;

padding: 0;

transition: background-color 0.5s ease-in-out;

}

h1 {

color: #333;

margin-top: 20px;

}


.color-buttons {

margin: 20px;

}

.color-btn {

padding: 10px 20px;

margin: 5px;
```

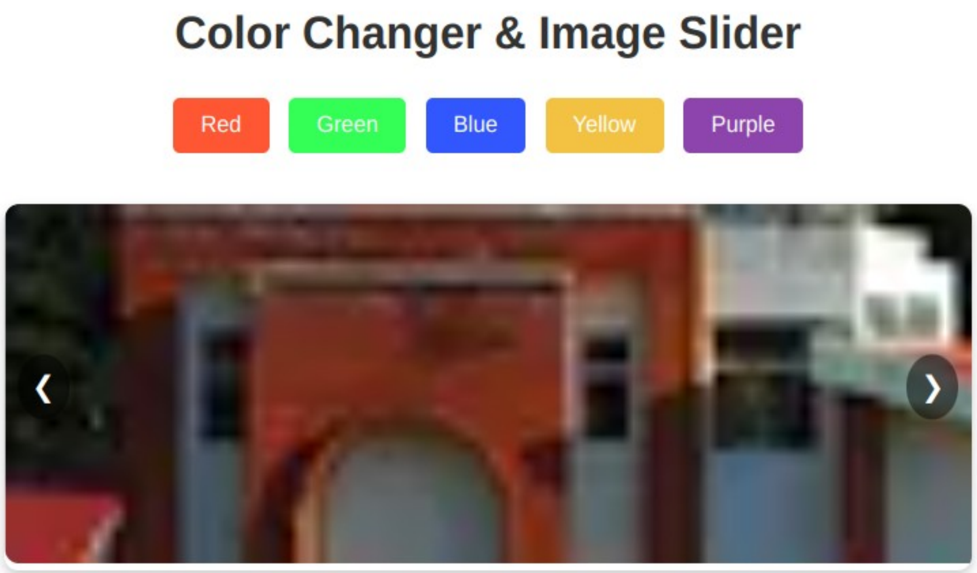
```css
border: none;
cursor: pointer;
font-size: 16px;
color: white;
border-radius: 5px;
transition: 0.3s;
}
.color-btn:hover {
opacity: 0.8;
}

.slider-container {
position: relative;
width: 80%;
max-width: 700px;
margin: 30px auto;
overflow: hidden;
border-radius: 10px;
box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.2);
}
.slider {
display: flex;
width: 400%;
transition: transform 1s ease-in-out;
}
.slide {
width: 100%;
```

```
flex: 1 0 100%;
}
.slide img {
width: 100%;
height: 250px;
object-fit: cover;
border-radius: 10px;
}

.prev, .next {
position: absolute;
top: 50%;
transform: translateY(-50%);
background-color: rgba(0, 0, 0, 0.5);
color: white;
padding: 10px;
border: none;
cursor: pointer;
border-radius: 50%;
font-size: 20px;
transition: 0.3s;
}
.prev:hover, .next:hover {
background-color: black;
}
.prev { left: 10px; }
.next { right: 10px; }
```

```
</style>
</head>
<body>
<h1>Color Changer & Image Slider</h1>

<div class="color-buttons">
<button class="color-btn" style="background-color: #ff5733;" onclick="changeColor('#ff5733')">Red</button>
<button class="color-btn" style="background-color: #33ff57;" onclick="changeColor('#33ff57')">Green</button>
<button class="color-btn" style="background-color: #3357ff;" onclick="changeColor('#3357ff')">Blue</button>
<button class="color-btn" style="background-color: #f4c242;" onclick="changeColor('#f4c242')">Yellow</button>
<button class="color-btn" style="background-color: #8e44ad;" onclick="changeColor('#8e44ad')">Purple</button>
</div>

<div class="slider-container">
<div class="slider" id="slider">
<div class="slide"><img src="https://gehu.ac.in/assets/images/GEHU-BTL-b80ef66e.webp" alt="GEHU Bhimtal"></div>
<div class="slide"><img src="https://lookaside.fbsbx.com/lookaside/crawler/media/?media_id=880431600782829" alt="GEHU Bhimtal"></div>
<div class="slide"><img src="https://image-static.collegedunia.com/public/college_data/images/appImage/57212_cover2.jpg?h=260&w=360&mode=crop" alt="GEHU Bhimtal"></div>
<div class="slide"><img src="https://lookaside.instagram.com/seo/google_widget/crawler/?media_id=3295975471895630683" alt="GEHU Bhimtal"></div>
```

```
</div>

<button class="prev" onclick="prevSlide()">❮</button>
<button class="next" onclick="nextSlide()">❯</button>
</div>
<script>

function changeColor(color) {
document.body.style.backgroundColor = color;
}

let currentSlide = 0;
const slides = document.querySelectorAll(".slide");
const totalSlides = slides.length;
function updateSlider() {
document.getElementById("slider").style.transform = `translateX(-${currentSlide * 100}%)`;
}
function nextSlide() {
currentSlide = (currentSlide + 1) % totalSlides;
updateSlider();
}
function prevSlide() {
currentSlide = (currentSlide - 1 + totalSlides) % totalSlides;
updateSlider();
}

setInterval(nextSlide, 3000);
```

```
</script>

</body>

</html>
```



Color Changer & Image Slider

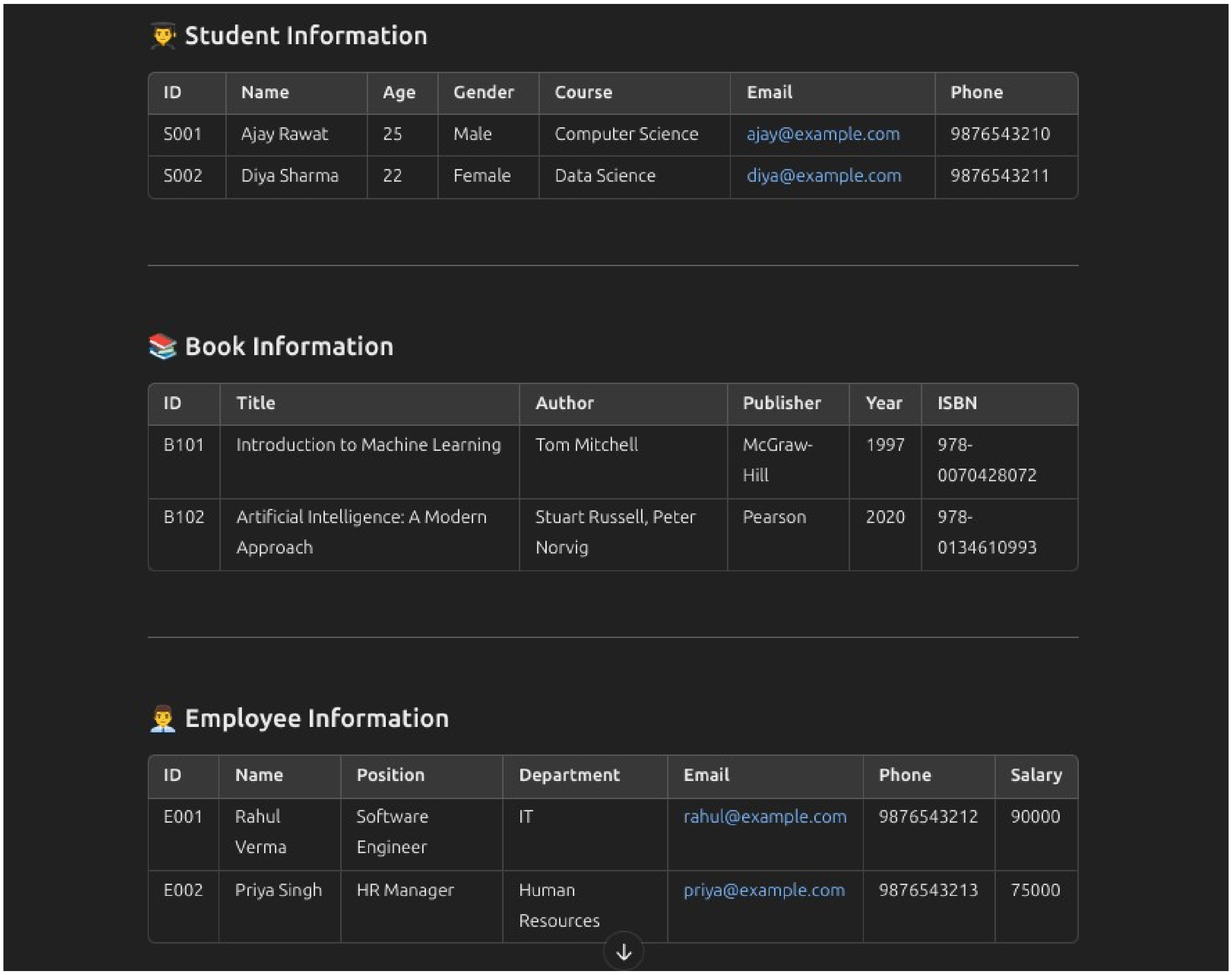
3.Create an XML file to store information about students, books, or employees.

```
<?xml version="1.0" encoding="UTF-8"?>
<database>

<students>
<student id="S001">
<name>Ajay Rawat</name>
<age>25</age>
<gender>Male</gender>
<course>Computer Science</course>
<email>ajay@example.com</email>
<phone>9876543210</phone>
</student>
<student id="S002">
<name>Diya Bisht</name>
<age>22</age>
<gender>Female</gender>
<course>Data Science</course>
<email>diya@example.com</email>
<phone>9876543211</phone>
</student>
</students>
<!-- Book Information -->
<books>
<book id="B101">
```

```xml
<title>Introduction to Machine Learning</title>
<author>Tom Mitchell</author>
<publisher>McGraw-Hill</publisher>
<year>1997</year>
<isbn>978-0070428072</isbn>
</book>
<book id="B102">
<title>Artificial Intelligence: A Modern Approach</title>
<author>Stuart Russell, Peter Norvig</author>
<publisher>Pearson</publisher>
<year>2020</year>
<isbn>978-0134610993</isbn>
</book>
</books>
```

```xml
<employees>
<employee id="E001">
<name>Rahul Verma</name>
<position>Software Engineer</position>
<department>IT</department>
<email>rahul@example.com</email>
<phone>9876543212</phone>
<salary>90000</salary>
</employee>
<employee id="E002">
<name>Priya Singh</name>
<position>HR Manager</position>
```

```
<department>Human Resources</department>
<email>priya@example.com</email>
<phone>9876543213</phone>
<salary>75000</salary>
</employee>
</employees>
</database>
```



👨‍🎓 Student Information

ID	Name	Age	Gender	Course	Email	Phone
S001	Ajay Rawat	25	Male	Computer Science	ajay@example.com	9876543210
S002	Diya Sharma	22	Female	Data Science	diya@example.com	9876543211

📚 Book Information

ID	Title	Author	Publisher	Year	ISBN
B101	Introduction to Machine Learning	Tom Mitchell	McGraw-Hill	1997	978-0070428072
B102	Artificial Intelligence: A Modern Approach	Stuart Russell, Peter Norvig	Pearson	2020	978-0134610993

👨‍💼 Employee Information

ID	Name	Position	Department	Email	Phone	Salary
E001	Rahul Verma	Software Engineer	IT	rahul@example.com	9876543212	90000
E002	Priya Singh	HR Manager	Human Resources	priya@example.com	9876543213	75000