**EX NO:01** **BIODATA USING HTML TAGS**

DATE:03.07.2024

**AIM:** To design our biodata(resume)using basic HTML tags.

**TAGS:**

* <html>\_ </html> //wrap all contents
* <head>\_</head> //Holds metadata and links
* <title>\_</title> //Title of document
* <body>\_</body> //Main content
* <p>\_</p> //Defines a para of text
* <b>\_</b> //Bold letters
* <ul>\_</ul> //Unordered list
* <h>\_</h> //Represent to list item
* <a>\_</a> //To create hyper links
* <tr>\_</tr> //Table row
* <td>\_</td> //Table cell
* <img> and <br> //Stand alone tag to add image and line break in text

**STYLE PROPERTIES USED:**

-margin

-font

-display

-align items

-padding

-width

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Minimalist Simple Design Freelancer Resume</title>

    <style>

        body {

            font-family: 'Helvetica Neue', Arial, sans-serif;

            line-height: 1.6;

            color: #333;

            margin: 0;

            padding: 0;

            background-color: #f4f4f4;

        }

        .container {

            display: flex;

            max-width: 900px;

            margin: 20px auto;

            background: #fff;

            box-shadow: 0 0 10px rgba(0,0,0,0.1);

        }

        .sidebar {

            width: 250px;

            background: #333;

            color: #fff;

            padding: 20px;

        }

        .main {

            flex: 1;

            padding: 20px;

        }

        h1 {

            font-size: 2.5em;

            margin: 0;

            color: #fff;

        }

        h2 {

            font-size: 1.5em;

            margin-bottom: 10px;

            color: #333;

            border-bottom: 2px solid #333;

            padding-bottom: 5px;

        }

        h3 {

            font-size: 1.2em;

            margin-bottom: 5px;

            color: #333;

        }

        .section {

            margin-bottom: 20px;

        }

        .contact p, .education p, .skills p, .projects p, .summary p {

            margin: 5px 0;

        }

        .sidebar h2, .main h2 {

            margin-top: 0;

        }

        .contact p, .education p, .skills p, .projects p, .summary p {

            margin: 5px 0;

        }

        .skills p, .projects h3, .summary p {

            margin: 0;

        }

        .sidebar, .main {

            padding-top: 0;

        }

        .contact, .skills {

            margin-bottom: 20px;

        }

        .image {

            border-radius: 45%;

        }

    </style>

</head>

<body>

    <div class="container">

        <div class="sidebar">

            <img class ="image" src="me.jpg" alt="Image Description" height="8%" width="8%">

            <h1>Jaya Surya S</h1>

            <div class="contact">

                <h2>Contact</h2>

                <p>Phone: 8220141349</p>

                <a href="mailto:notifi1jaya@gmail.com">Email: notifi1jaya@gmail.com</a>

            </div>

            <div class="skills">

                <h2>Skills</h2>

                <p>Java</p>

                <p>ML Model Building</p>

                <p>Web Development</p>

                <p>Blockchain</p>

            </div>

        </div>

        <div class="main">

            <div class="section">

                <h2>Education</h2>

                <div class="education">

                    <h3>University - Coimbatore Institute of Technology</h3>

                    <p>2022-2027</p>

                    <h3>High School - Indhu International</h3>

                    <p>2020-2022</p>

                </div>

            </div>

            <div class="section">

                <h2>Projects</h2>

                <div class="projects">

                    <h3>Student Management System</h3>

                    <p>Python Interface and Database Connectivity</p>

                    <p>Streamlined student database system built with Python and DBMS technology.</p>

                    <h3>Anime Watchlist</h3>

                    <p>Website</p>

                    <p>Node.js & DBMS powered anime watchlist management for enthusiasts.</p>

                    <h3>Blockchain Cloud Storage</h3>

                    <p>Blockchain Application</p>

                    <p>Blockchain-based website for secure cloud storage solutions and file management.</p>

                </div>

            </div>

            <div class="section">

                <h2>Summary</h2>

                <div class="summary">

                    <p>A tech enthusiast with a passion for innovation, exploring Node.js, DBMS, blockchain, and machine learning model building with energy and a quest for excellence.</p>

                </div>

            </div>

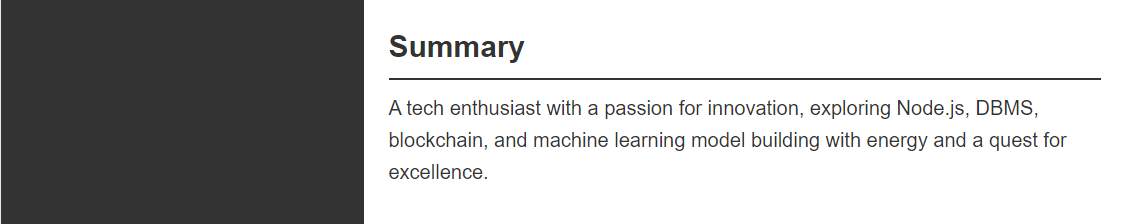
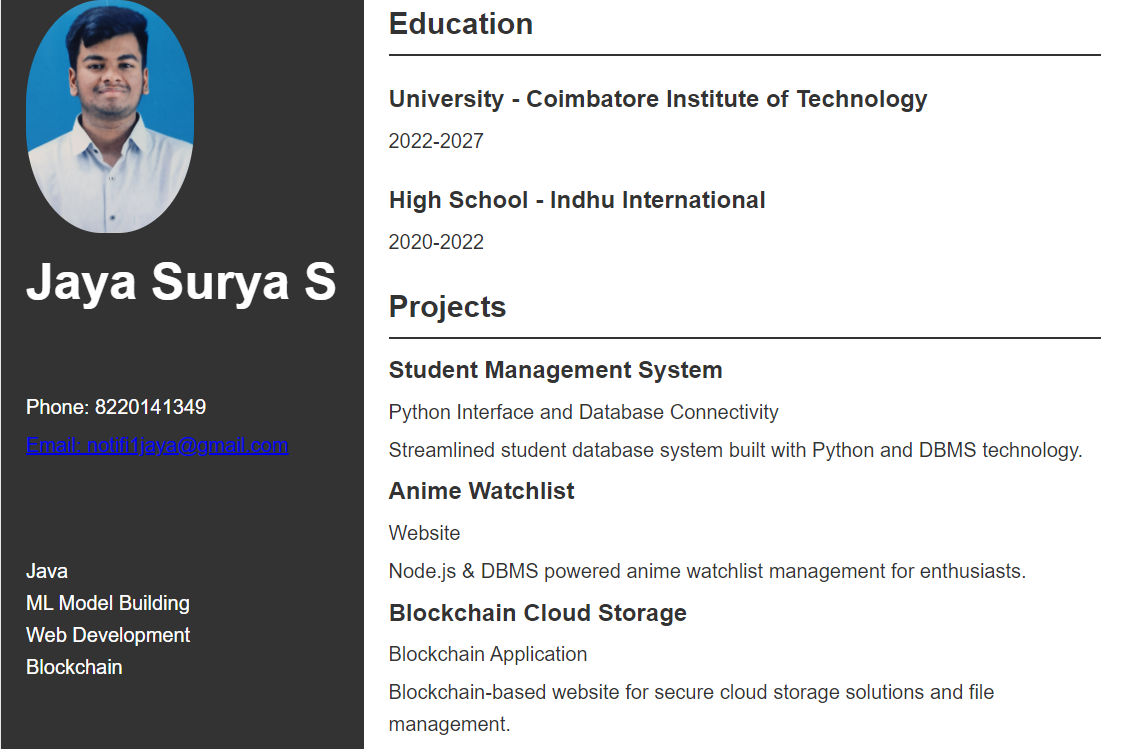
        </div>

    </div>

</body>

</html>

**OUTPUT:**

****

**RESULT:** Resume has been designed using html tags successfully.

**EX NO:2** **DESIGN INVOICE FOR FOOD DELIVERY SYSTEM**

DATE: 09.07.24

**AIM:** To design an invoice for food delivery system using HTML.

**TAGS:**

* <html>\_ </html> //wrap all contents
* <head>\_</head> //Holds metadata and links
* <title>\_</title> //Title of document
* <body>\_</body> //Main content
* <p>\_</p> //Defines a para of text
* <b>\_</b> //Bold letters
* <ul>\_</ul> //Unordered list
* <h>\_</h> //Represent to list item
* <a>\_</a> //To create hyper links
* <tr>\_</tr> //Table row
* <td>\_</td> //Table cell
* <img> and <br> //Stand alone tag to add image and line break in text

**STYLE PROPERTIES USED:**

* -margin
* -font
* -display
* -align items
* -padding
* -width

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Hotel Invoice</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            margin: 0;

            padding: 0;

            background-color: #f4f4f4;

        }

        .invoice {

            width: 80%;

            max-width: 800px;

            margin: 20px auto;

            padding: 20px;

            background: #fff;

            border-radius: 8px;

            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

        }

        header {

            text-align: center;

            margin-bottom: 20px;

        }

        header h1 {

            margin: 0;

            color: #333;

        }

        table {

            width: 100%;

            border-collapse: collapse;

            margin-bottom: 20px;

        }

        table th, table td {

            border: 1px solid #ddd;

            padding: 8px;

            text-align: left;

        }

        table th {

            background-color: #4CAF50;

            color: white;

        }

        table tfoot td {

            font-weight: bold;

            background-color: #f2f2f2;

        }

        table tfoot td:last-child {

            text-align: right;

        }

        table tr:nth-child(even) {

            background-color: #f9f9f9;

        }

    </style>

</head>

<body>

    <div class="invoice">

        <header>

            <h1>Hotel Invoice</h1>

            <p>Guest Name: Jayasurya S</p>

        </header>

        <table>

            <thead>

                <tr>

                    <th>Dish Name</th>

                    <th>Quantity</th>

                    <th>Price</th>

                    <th>Total</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <td>Poori</td>

                    <td>2</td>

                    <td>Rs12.00</td>

                    <td>Rs24.00</td>

                </tr>

                <tr>

                    <td>Vada</td>

                    <td>1</td>

                    <td>Rs8.00</td>

                    <td>Rs8.00</td>

                </tr>

                <tr>

                    <td>Dosa</td>

                    <td>1</td>

                    <td>Rs15.00</td>

                    <td>Rs15.00</td>

                </tr>

            </tbody>

            <tfoot>

                <tr>

                    <td colspan="3">Subtotal</td>

                    <td>Rs47.00</td>

                </tr>

                <tr>

                    <td colspan="3">Tax (10%)</td>

                    <td>Rs4.70</td>

                </tr>

                <tr>

                    <td colspan="3"><strong>Total</strong></td>

                    <td><strong>Rs51.70</strong></td>

                </tr>

            </tfoot>

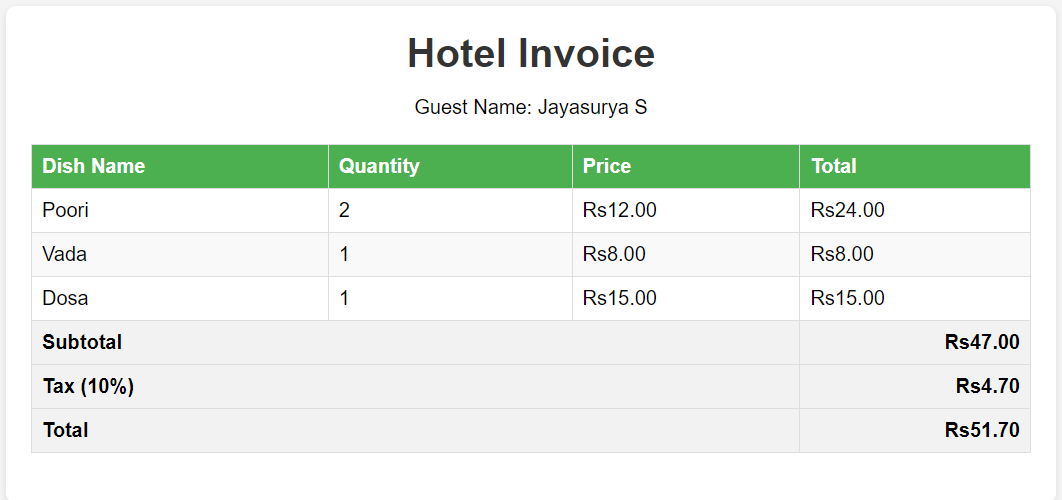
        </table>

    </div>

</body>

</html>

**OUTPUT:**

****

**RESULT:** An invoice for food delivery system is designed successfully using HTML.

**EX NO:3** **DESIGNING STATIC WEB PAGES**

DATE:16.07.24 **FOR ONLINE BOOK STORE**

**AIM**: To design web page for an online book-store website.

**TAGS:**

* <html>\_ </html> //wrap all contents
* <head>\_</head> //Holds metadata and links
* <title>\_</title> //Title of document
* <body>\_</body> //Main content
* <p>\_</p> //Defines a para of text
* <b>\_</b> //Bold letters
* <ul>\_</ul> //Unordered list
* <h>\_</h> //Represent to list item
* <a>\_</a> //To create hyper links
* <tr>\_</tr> //Table row
* <td>\_</td> //Table cell
* <img> and <br> //Stand alone tag to add image and line break in text

**STYLE PROPERTIES USED:**

* -margin
* -font
* -display
* -align items
* -padding
* -width

**CODE:**

**HOME PAGE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Online Book Store</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="top-div">

        <h1>Coimbatore Institute of Technology

            ONLINE BOOK STORE

        </h1>

        <nav>

            <a href="homepage.html">Home</a>

            <a href="loginpage.html">Login</a>

            <a href="registration.html">Registration</a>

            <a href="catalogue.html">Catalogue</a>

            <a href="cart.html">Cart</a>

        </nav>

    </div>

    <div class="container">

        <div class="right-div" id="content">

            <p>Welcome to the Online Book Store, your one-stop destination for a diverse range of academic books tailored to various fields of study. </p>

            <p>This website is designed to facilitate easy access to textbooks and reference materials for students and faculty members across different disciplines.</p>

        </div>

    </div>

</body>

</html>

**LOGIN PAGE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Login - Online Book Store</title>

</head>

<body>

    <div class="top-div">

        <h1>Coimbatore Institute of Technology

            ONLINE BOOK STORE

        </h1>

        <nav>

            <a href="homepage.html">Home</a>

            <a href="loginpage.html">Login</a>

            <a href="registration.html">Registration</a>

            <a href="catalogue.html">Catalogue</a>

            <a href="cart.html">Cart</a>

        </nav>

    </div>

    <div class="container">

        <div class="right-div" id="content">

            <div class="form-div">

                <form action="loginpage.html" method="post">

                    <label for="login">Login:</label>

                    <input type="text" id="login" name="login" required>

                    <label for="password">Password:</label>

                    <input type="password" id="password" name="password" required>

                    <button type="submit">Submit</button>

                    <button type="reset">Reset</button>

                </form>

            </div>

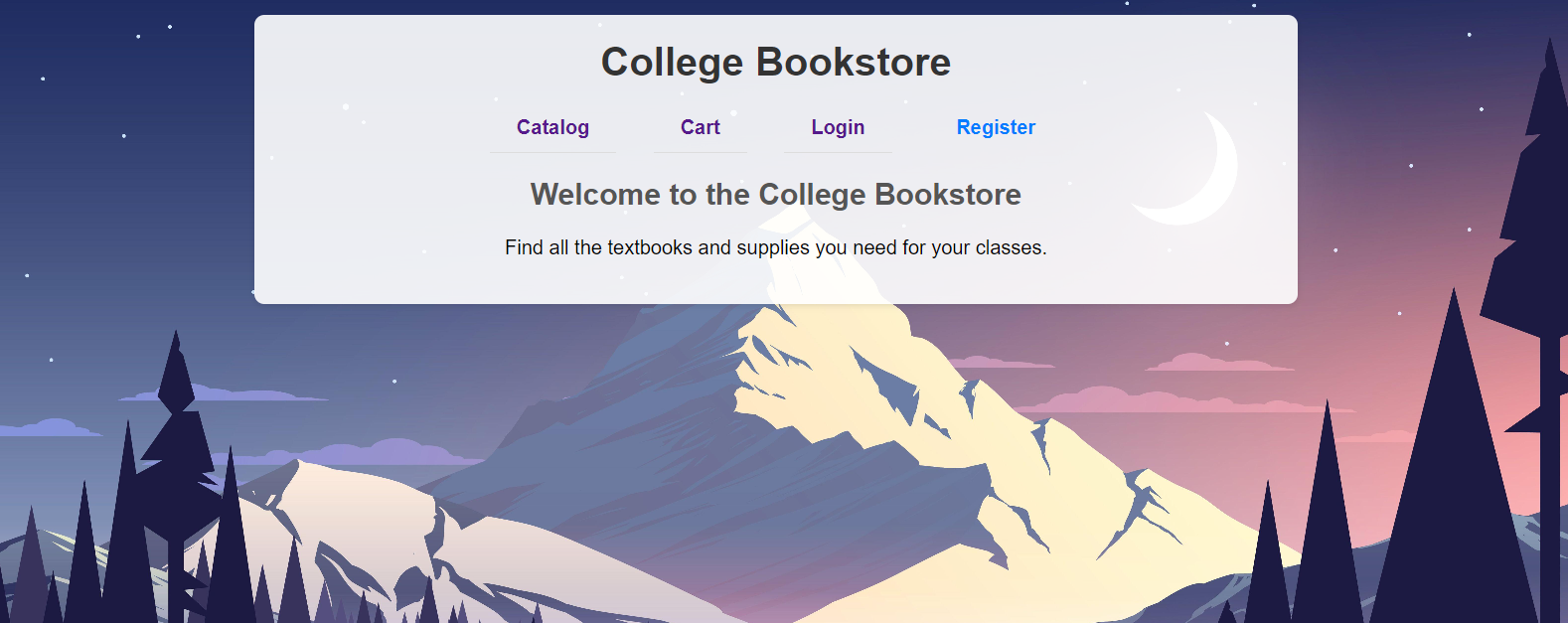
        </div>

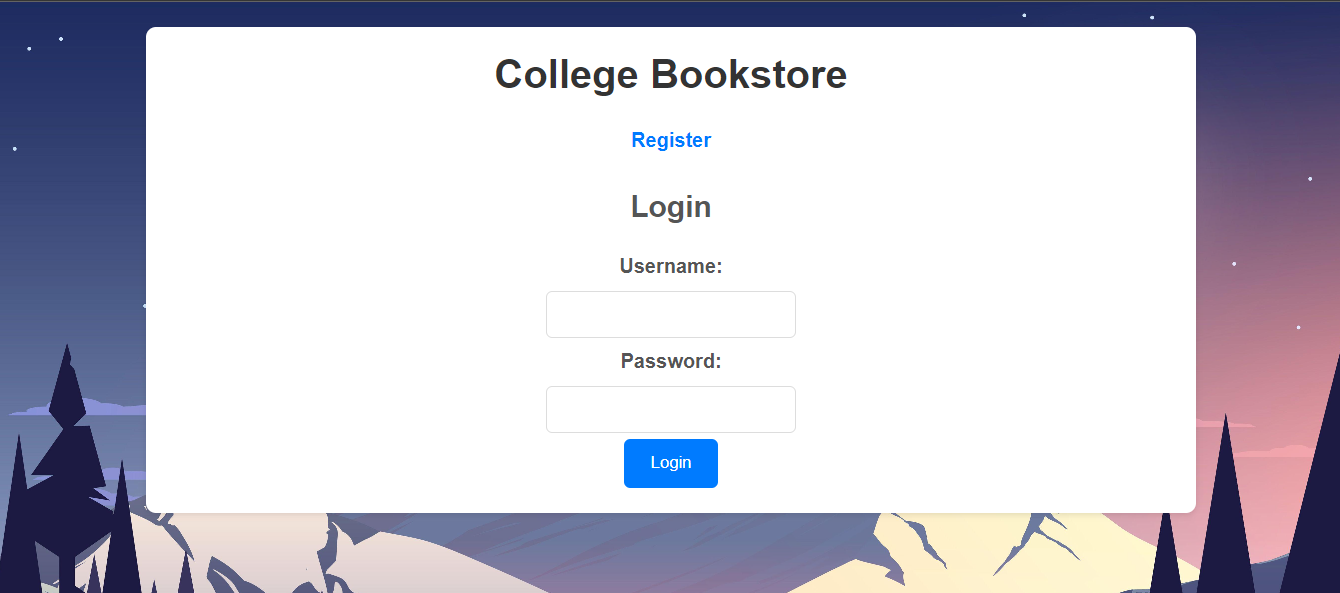
    </div>

</body>

</html>

**OUTPUT:**





**RESULT:** Home page and login page for bookstore is created successfully

EX NO:4 **ONLINE BOOK STORE**

DATE:16.07.24  **(CATALOGUE AND CART PAGE)**

**AIM:** To design a catalogue and cart page for the online book store web page.

**TAGS:**

* <html>\_ </html> //wrap all contents
* <head>\_</head> //Holds metadata and links
* <title>\_</title> //Title of document
* <body>\_</body> //Main content
* <p>\_</p> //Defines a para of text
* <b>\_</b> //Bold letters
* <ul>\_</ul> //Unordered list
* <ol>\_</ol> //Ordered list
* <h>\_</h> //Represent to list item
* <a>\_</a> //To create hyper links
* <img> and <br> //Stand alone tag to add image and line break in text

**STYLE PROPERTIES USED:**

* -margin
* -font
* -display
* -align items
* -padding
* -width

**CODE:**

**CATALOGUE PAGE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Catalogue - Online Book Store</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="top-div">

        <h1>Coimbatore Institute of Technology

            ONLINE BOOK STORE

        </h1>

        <nav>

            <a href="homepage.html">Home</a>

            <a href="loginpage.html">Login</a>

            <a href="registration.html">Registration</a>

            <a href="catalogue.html">Catalogue</a>

            <a href="cart.html">Cart</a>

        </nav>

    </div>

    <div class="container">

        <div class="left-div">

            <p>Explore our wide range of books available in our catalogue.</p>

        </div>

        <div class="right-div" id="content">

            <h2>Catalogue</h2>

            <ul class="book-list">

                <li>

                    <span>Introduction to Algorithms by Thomas H. Cormen</span>

                    <button onclick="addToCart('Introduction to Algorithms by Thomas H. Cormen')">Add to Cart</button>

                </li>

                <li>

                    <span>Artificial Intelligence: A Modern Approach by Stuart Russell and Peter Norvig</span>

                    <button onclick="addToCart('Artificial Intelligence: A Modern Approach by Stuart Russell and Peter Norvig')">Add to Cart</button>

                </li>

                <li>

                    <span>Computer Networks by Andrew S. Tanenbaum</span>

                    <button onclick="addToCart('Computer Networks by Andrew S. Tanenbaum')">

                        Add to Cart</button>

                </li>

                <li>

                    <span>Operating System Concepts by Abraham Silberschatz</span>

                    <button onclick="addToCart('Operating System Concepts by Abraham Silberschatz')">Add to Cart</button>

                </li>

                <li>

                    <span>Database System Concepts by Avi Silberschatz, Henry F. Korth, and S. Sudarshan</span>

                    <button onclick="addToCart('Database System Concepts by Avi Silberschatz, Henry F. Korth, and S. Sudarshan')">Add to Cart</button>

                </li>

            </ul>

        </div>

    </div>

</body>

</html>

**CART PAGE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Cart - Online Book Store</title>

    <link rel="stylesheet" href="style.css">

    <style>

body {

            font-family: Arial, sans-serif;

        }

        .top-div {

            text-align: center;

            padding: 10px;

            background-color: #f4f4f4;

        }

        .container {

            display: flex;

        }

        .left-div {

            width: 20%;

            background-color: #f4f4f4;

            padding: 10px;

        }

        .right-div {

            width: 80%;

            padding: 10px;

        }

        .navigation a {

            display: block;

            margin: 5px 0;

            text-decoration: none;

            color: #333;

        }

        .navigation a:hover {

            text-decoration: underline;

        }

        .cart-list {

            list-style-type: none;

            padding: 0;

        }

        .cart-list li {

            margin: 10px 0;

        }

        .cart-list button {

            margin-left: 10px;

            padding: 5px 10px;

        }

    </style>

</head>

<body>

    <div class="top-div">

        <h1>Coimbatore Institute of Technology

            ONLINE BOOK STORE

        </h1>

        <nav>

            <a href="homepage.html">Home</a>

            <a href="loginpage.html">Login</a>

            <a href="registration.html">Registration</a>

            <a href="catalogue.html">Catalogue</a>

            <a href="cart.html">Cart</a>

        </nav>

    </div>

    <div class="container">

        <div class="left-div">

            <p>Your selected books will appear here. Review your cart before proceeding to checkout.</p>

        </div>

        <div class="right-div" id="content">

            <h2>Your Cart</h2>

            <ul class="cart-list" id="cartList">

                <!-- Cart items will be dynamically added here -->

            </ul>

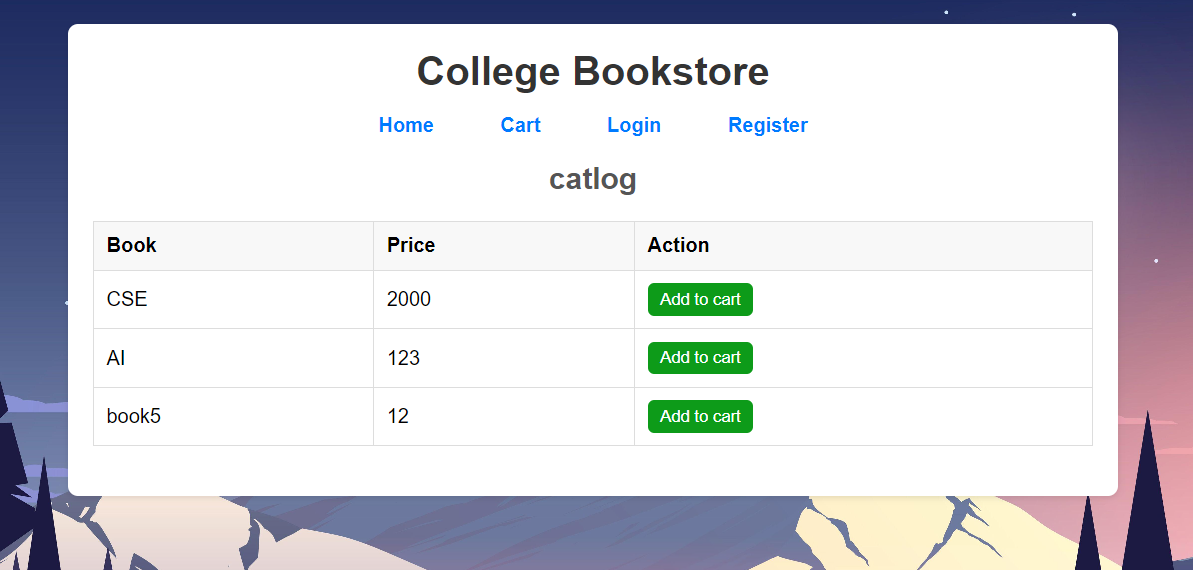
        </div>

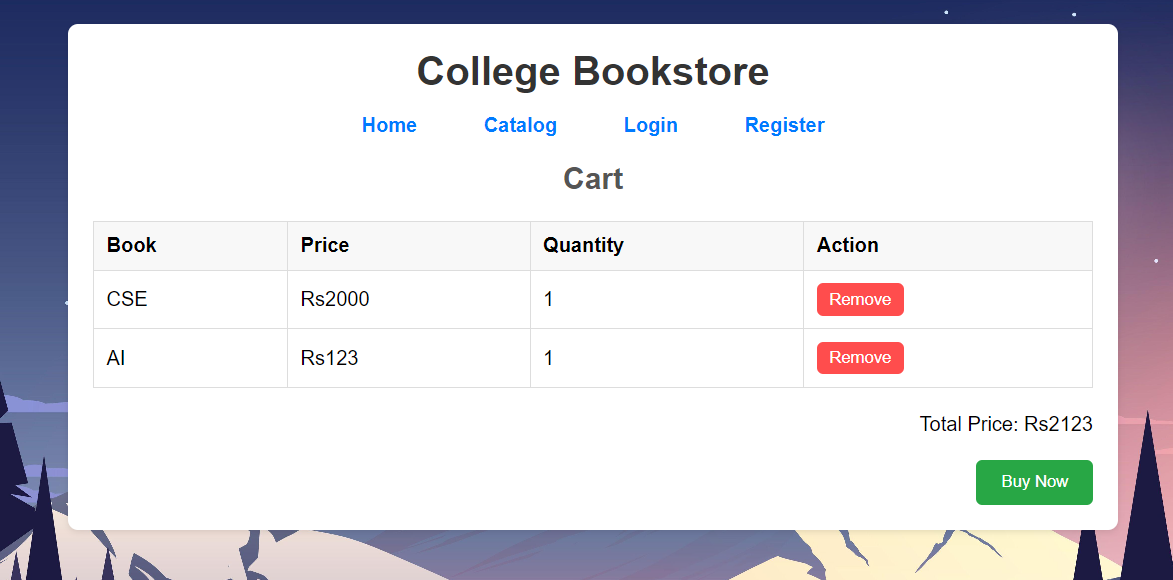
    </div>

</body>

</html>

**OUTPUT:**

****

****

**RESULT**: The catalogue page and cart page are created successfully for the online bookstore

**EX NO:5** **ONLINE BOOK STORE**

DATE:23.07.24 **(REGISTRATION FORM & VALIDATION)**

**AIM:** To design and implement a registration form for the online book store web page and provide validation for it using javascript.

**TAGS:**

* <html>\_ </html> //wrap all contents
* <head>\_</head> //Holds metadata and links
* <title>\_</title> //Title of document
* <body>\_</body> //Main content
* <p>\_</p> //Defines a para of text
* <b>\_</b> //Bold letters
* <ul>\_</ul> //Unordered list
* <ol>\_</ol> //Ordered list
* <h>\_</h> //Represent to list item
* <a>\_</a> //To create hyper links
* <img> and <br> //Stand alone tag to add image and line break in text

**STYLE PROPERTIES USED:**

* -margin
* -font
* -display
* -align items
* -padding
* -width

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Registration - Online Book Store</title>

    <style>

        body {

            font-family: Arial, sans-serif; }

      .top-div {

            text-align: center;

            padding: 10px;

            background-color: #f4f4f4;

        }

        .container {

            display: flex;

        }

        .left-div {

            width: 20%;

            background-color: #f4f4f4;

            padding: 10px;

        }

        .right-div {

            width: 80%;

            padding: 10px;

        }

        .navigation a {

            display: block;

            margin: 5px 0;

            text-decoration: none;

            color: #333;

        }

        .navigation a:hover {

            text-decoration: underline;

        }

        .form-div {

            text-align: center;

            margin-top: 50px;

        }

        .form-div form {

            display: inline-block;

            text-align: left;

        }

        .form-div input,

        .form-div select,

        .form-div textarea {

            display: block;

            margin: 10px 0;

            padding: 5px;

            width: 100%;

        }

        .form-div button {

            margin: 10px 5px;

            padding: 5px 10px;

        }

        .form-div .inline-group {

            display: flex;

            align-items: center;

        }

        .form-div .inline-group label {

            margin-right: 10px;

        }

        .form-div .inline-group input[type="radio"] {

            margin-right: 5px;

        }

        .form-div .inline-group .checkbox-group {

            display: flex;

            flex-direction: column;

        }

    </style>

    <script>

        function validateForm() {

            var password = document.getElementById("password").value;

            var phone = document.getElementById("phone").value;

            var email = document.getElementById("email").value;

            var emailPattern = /^[a-zA-Z0-9.\_-]+@gmail\.com$/;

            var phonePattern = /^\d{10}$/;

            var namePattern = /^[a-zA-Z\s]+$/;

            if (!emailPattern.test(email)) {

                alert("Please enter a valid email address ending with @gmail.com.");

                return false;

            }

            if (!phonePattern.test(phone)) {

                alert("Please enter a valid 10-digit phone number.");

                return false;

            }

            if (password.length < 6) {

                alert("Password must be at least 6 characters long.");

                return false;

            }

            if (!namePattern.test(document.getElementById("name").value)) {

                alert("Name must contain only letters and spaces.");

                return false;

            }

            return true;

        }

    </script>

     <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="top-div">

        <h1>Coimbatore Institute of Technology</h1>

        <nav>

            <a href="homepage.html">Home</a>

            <a href="loginpage.html">Login</a>

            <a href="registration.html">Registration</a>

            <a href="catalogue.html">Catalogue</a>

            <a href="cart.html">Cart</a>

        </nav>

    </div>

    <div class="container">

        <div class="left-div">

            <p>Register to create a new account and start shopping for books.</p>

        </div>

        <div class="right-div" id="content">

            <div class="form-div">

                <form action="registration\_process.html" method="post" onsubmit="return validateForm()">

                    <label for="name">Name:</label>

                    <input type="text" id="name" name="name" pattern="[a-zA-Z\s]+" title="Name must contain only letters and spaces" required>

                    <label for="email">Email:</label>

                    <input type="email" id="email" name="email" required>

                    <label for="password">Password:</label>

                    <input type="password" id="password" name="password" minlength="6" required>

                    <label for="phone">Phone Number:</label>

                    <input type="tel" id="phone" name="phone" pattern="\d{10}" title="Please enter a valid 10-digit phone number" required

                    <div class="inline-group">

                        <label>Sex:</label>

                        <label><input type="radio" name="sex" value="male" required> Male</label>

                        <label><input type="radio" name="sex" value="female" required> Female</label>

                    </div

                    <label for="dob">Date of Birth:</label>

                    <input type="date" id="dob" name="dob" required>

                    <div class="inline-group">

                        <label>Languages Known:</label>

                        <div class="checkbox-group">

                            <label><input type="checkbox" name="languages" value="English"> English</label>

                            <label><input type="checkbox" name="languages" value="Telugu"> Telugu</label>

                            <label><input type="checkbox" name="languages" value="Hindi"> Hindi</label>

                            <label><input type="checkbox" name="languages" value="Tamil"> Tamil</label>

                        </div>

                    </div>

                    <label for="address">Address:</label>

                    <textarea id="address" name="address" rows="4" required></textarea>

                    <button type="submit">Submit</button>

                    <button type="reset">Reset</button>

                </form>

            </div>

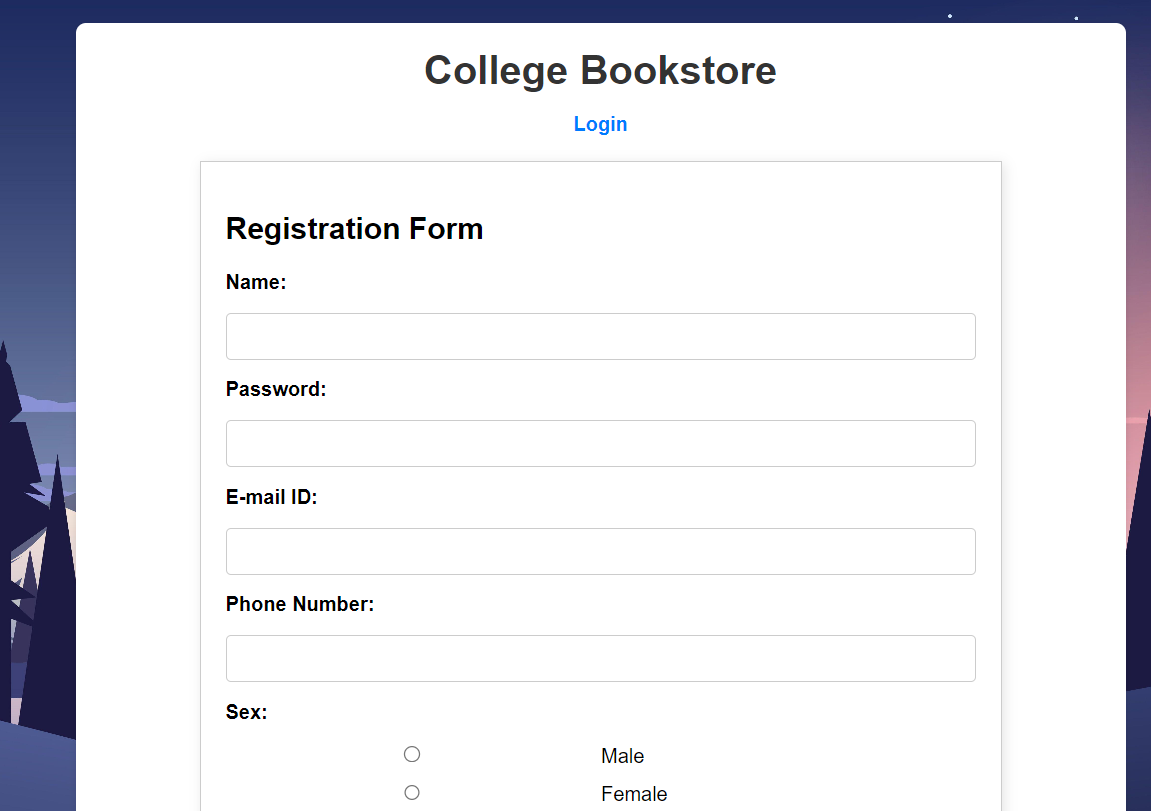
        </div>

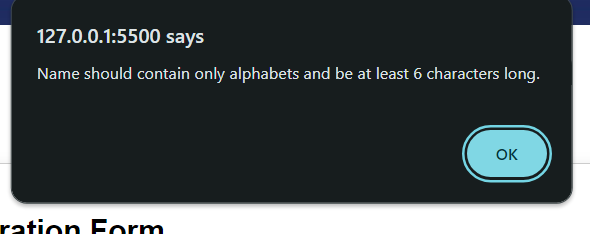
    </div>

</body>

</html>

**OUTPUT:**

****

****

**RESULT:** The registration page with validation conditions is created successfully.

**EX NO:6** **ONLINE BOOK STORE**

DATE:31.07.24  **(DESIGNING CSS)**

**AIM:**

To create cascading style sheets(css page) for online book store web page.

**STYLES:**

* <nav> : include links to all pages
* Background image
* Font styles
* Nav a {hover} : underlines when point is placed over a link
* Background size: cover:- sets the image to full background
* Background repeat no-repeat: ensures background image is not repeated.

**CSS CODE:**

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background-color: #f0f8ff;

    color: #333;

        font-family: Arial, sans-serif;

        background: url('library.png') no-repeat center center fixed;

        background-size: cover;

        margin: 0;

        padding: 0;

}

h1 {

    margin: 0;

    padding: 20px;

    color: #fff;

    background-color: #ff6347;

}

nav {

    margin-top: 10px;

}

nav a {

    display: inline-block;

    margin: 0 10px;

    padding: 10px 20px;

    text-decoration: none;

    color: #fff;

    background-color: #20b2aa;

    border-radius: 5px;

    transition: background-color 0.3s, transform 0.3s;

}

nav a:hover {

    background-color: #3cb371;

    transform: scale(1.05);

}

.container {

    display: flex;

    margin: 20px;

}

.left-div {

    width: 20%;

    background-color: #e6e6fa;

    padding: 20px;

    border-right: 1px solid #dcdcdc;

}

.right-div {

    width: 80%;

    padding: 20px;

    background-color: #fffafa;

    border-left: 1px solid #dcdcdc;

}

.navigation a {

    display: block;

    margin: 10px 0;

    padding: 10px;

    text-decoration: none;

    color: #333;

    background-color: #f0e68c;

    border: 1px solid #dcdcdc;

    border-radius: 5px;

    transition: background-color 0.3s, transform 0.3s;

}

.navigation a:hover {

    background-color: #ffd700;

    transform: scale(1.05);

}

.top-div {

    background-color: #ff6347;

    padding: 20px;

    color: #fff;

    text-align: center;

}

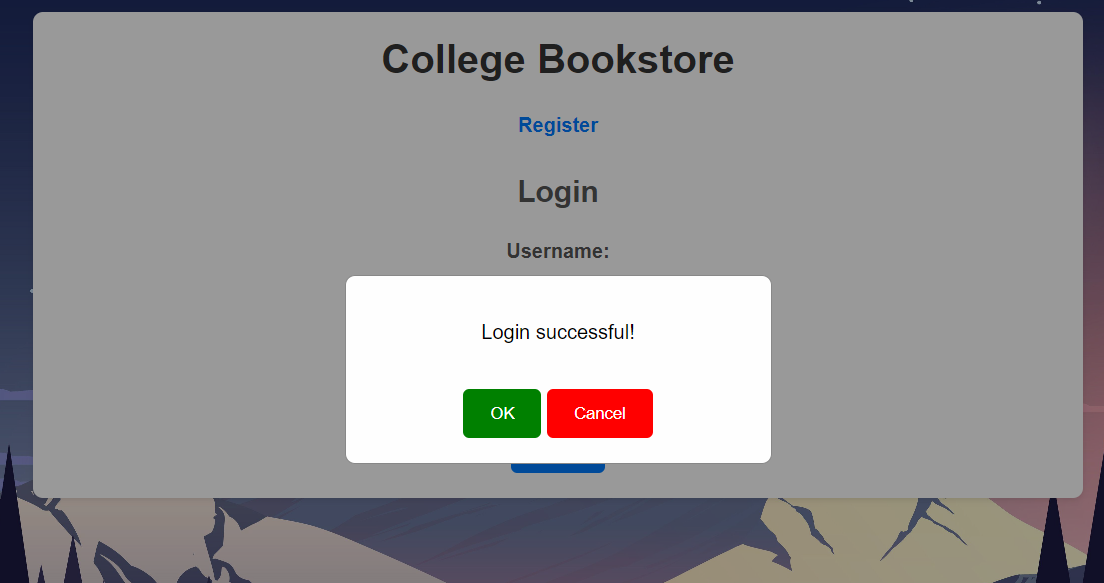
p {

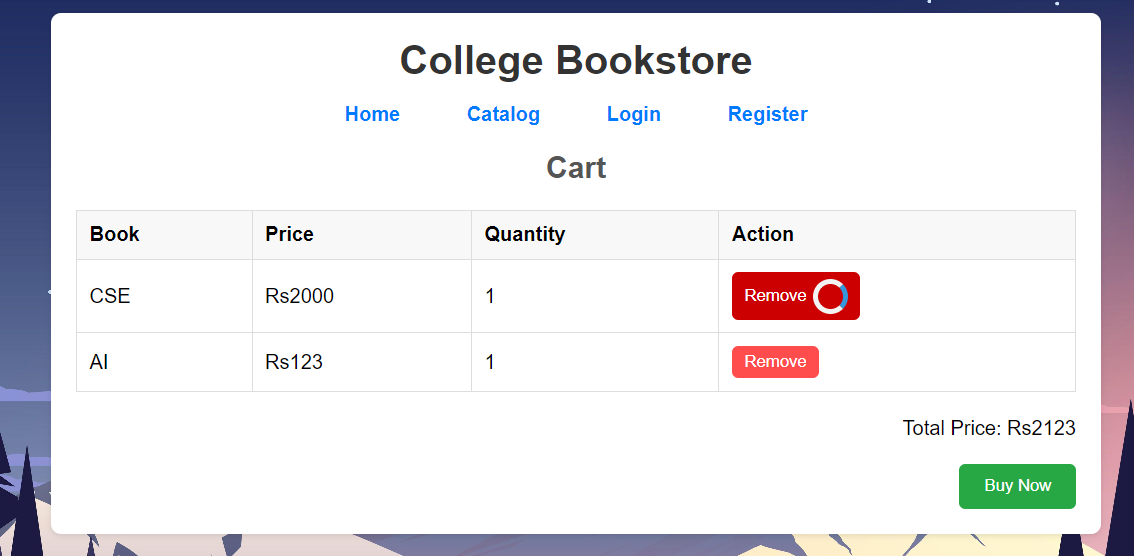
    margin: 20px 0;

    line-height: 1.6;

}

**OUTPUT:**

****

****

**RESULT:** The css styling is successfully implemented for the online bookstore web page.

**EX NO:7** **ONLINE BOOK STORE**

DATE:31.07.24 **DYNAMIC PAGE USING JAVASCRIPT**

**AIM:** To make the catalogue and cart page work dynamically using JavaScript concepts.

**JAVASCRIPT CODE / LOGIC:**

1. CATALOGUE PAGE:

<script>

function addToCart(book) {

//current cart from local storage

let cart = JSON.parse(localStorage.getItem('cart')) || [];

cart.push(book);

// Save the updated cart back to local storage

localStorage.setItem('cart', JSON.stringify(cart));

alert(book + ' has been added to your cart.');

}

</script>

1. CART PAGE:

<script>

function loadCart() {

let cart = JSON.parse(localStorage.getItem('cart')) || [];

const cartList = document.getElementById('cartList');

cartList.innerHTML = '';

cart.forEach((book, index) => {

const li = document.createElement('li');

li.innerHTML = `

<span>${book}</span>

<button onclick="removeFromCart(${index})">Remove</button>

`;

cartList.appendChild(li);

});

}

function removeFromCart(index) {

let cart = JSON.parse(localStorage.getItem('cart')) || [];

cart.splice(index, 1);

localStorage.setItem('cart', JSON.stringify(cart));

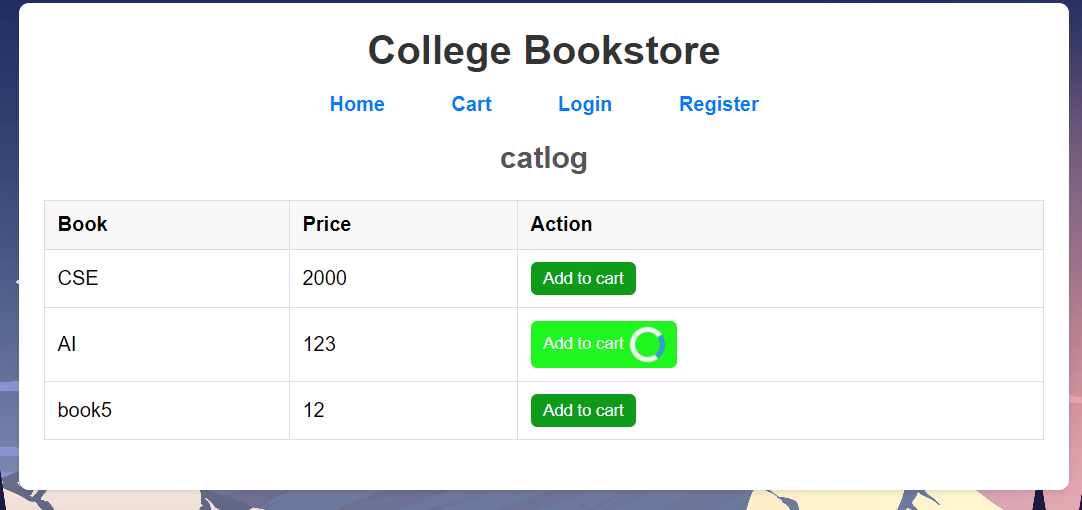
loadCart();

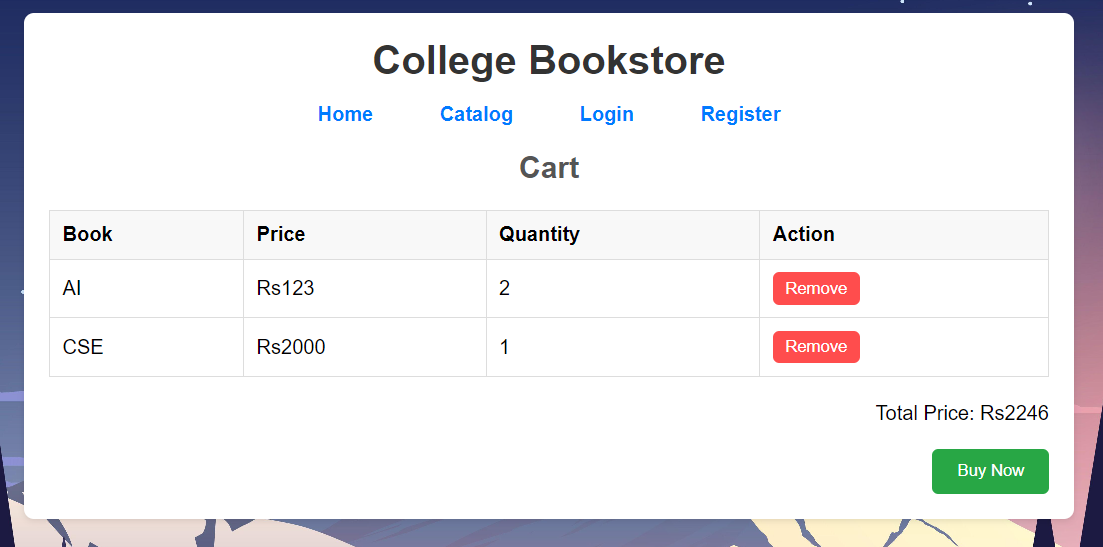
}

window.onload = loadCart;

</script>

**OUTPUT:**





**RESULT:** Both catalogue and cart pages are changed to dynamic pages using javascript function.

**EX NO:8**  **CALCULATOR**

DATE:07.08.24  **(USING JAVASCRIPT)**

**AIM:** To implement a calculator using JavaScript.

**HTML-CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Simple Calculator</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="calculator">

        <input type="text" id="display" disabled>

        <div class="buttons">

            <button onclick="clearDisplay()">C</button>

            <button onclick="deleteLast()">DEL</button>

            <button onclick="appendOperator('/')">/</button>

            <button onclick="appendOperator('\*')">\*</button>

            <button onclick="appendNumber('7')">7</button>

            <button onclick="appendNumber('8')">8</button>

            <button onclick="appendNumber('9')">9</button>

            <button onclick="appendOperator('-')">-</button>

            <button onclick="appendNumber('4')">4</button>

            <button onclick="appendNumber('5')">5</button>

            <button onclick="appendNumber('6')">6</button>

            <button onclick="appendOperator('+')">+</button>

            <button onclick="appendNumber('1')">1</button>

            <button onclick="appendNumber('2')">2</button>

            <button onclick="appendNumber('3')">3</button>

            <button onclick="calculate()">=</button>

            <button onclick="appendNumber('0')">0</button>

            <button onclick="appendNumber('.')">.</button>

        </div>

    </div>

    <script src="script.js"></script>

</body>

</html>

**CSS CODE:**

body {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    background-color: #f0f0f0;

background-image: url(CALC.jpg);

    margin: 0;

}

.calculator {

    background-color: white;

    border-radius: 10px;

    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);

    padding: 20px;

    width: 300px;

}

#display {

    width: 100%;

    height: 40px;

    font-size: 24px;

    text-align: right;

    margin-bottom: 10px;

    padding: 5px;

    border-radius: 5px;

    border: 1px solid #ccc;

}

.buttons {

    display: grid;

    grid-template-columns: repeat(4, 1fr);

    gap: 10px;

}

button {

    padding: 15px;

    font-size: 18px;

    border: none;

    border-radius: 5px;

    cursor: pointer;

    background-color: #e0e0e0;

}

button:hover {

    background-color: #d0d0d0;

}

button:active {

    background-color: #c0c0c0;

}

**JAVASCRIPT CODE:**

function clearDisplay() {

    document.getElementById('display').value = '';

}

function deleteLast() {

    let display = document.getElementById('display');

    display.value = display.value.slice(0, -1);

}

function appendNumber(number) {

    document.getElementById('display').value += number;

}

function appendOperator(operator) {

    let display = document.getElementById('display').value;

    if (display && !isNaN(display.slice(-1))) {

        document.getElementById('display').value += operator;

    }

}

function calculate() {

    let display = document.getElementById('display').value;

    try {

        document.getElementById('display').value = eval(display);

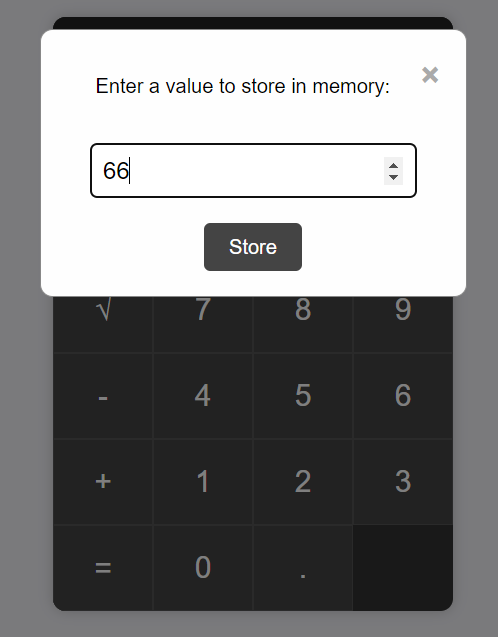
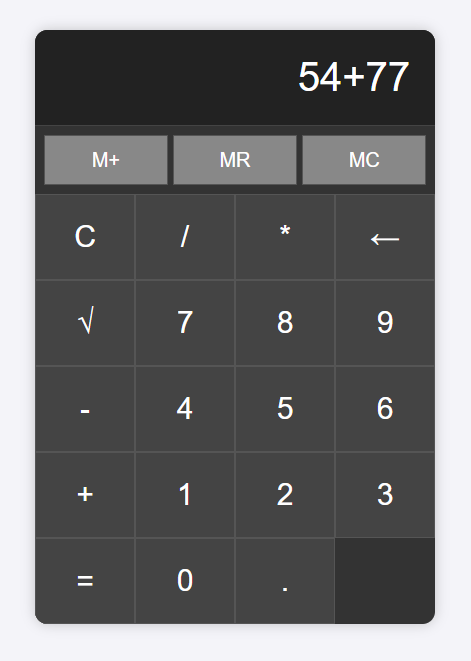
    } catch {

        document.getElementById('display').value = 'Error';

    }

}

**OUTPUT:**



**RESULT:** A calculator is implemented successfully.

**EX NO:9 RESPONSIVE WEBPAGES USING**

**DATE:13.08.24 HTML,CSS :- VIDEO PLAYER**

**AIM:** To create a responsive webpage with videoplayer.

**CODE:**

<!DOCTYPE html>

<html>

<head>

  <style>

    body {

      background: #111;

    }

    .video {

      /\* the good stuff: \*/

      height: 0;

      padding-bottom: 42.6%; /\* ratio of the video 16/9 would be 56.25% \*/

      position: relative;

    }

    .video\_\_frame {

      /\* .video\_\_frame \*/

      position: absolute;

      top: 0;

      right: 0;

      bottom: 0;

      left: 0;

      width: 100%;

      height: 100%;

    }

    iframe {

      width: 100%;

      height: 100%;

      box-shadow: 0 0 40px #000;

    }

    .container {

      position: relative; /\* this must be relative or absolute.. or fixed \*/

      width: 90%;

      margin: 10vh auto;

    }

  </style>

</head>

<body>

  <div class="container">

    <div class="video">

      <div class="video\_\_frame">

        <iframe src="https://player.vimeo.com/video/39822385" frameborder="0" webkitallowfullscreen mozallowfullscreen allowfullscreen></iframe>

      </div>

    </div>

  </div>

</body>

</html>

**OUTPUT:** 

**RESULT:** A responsive website of videoplayer is implemented successfully.

**EX NO:10**  **JSON IMPLEMENTATION**

DATE:14.08.2024

**AIM:** To implement json in online bookstore webpage for catalogue and cart.

**CODE:**

1. CATALOGUE PAGE:

<script>

function addToCart(book) {

//current cart from local storage

let cart = JSON.parse(localStorage.getItem('cart')) || [];

cart.push(book);

// Save the updated cart back to local storage

localStorage.setItem('cart', JSON.stringify(cart));

alert(book + ' has been added to your cart.');

}

</script>

1. CART PAGE:

<script>

function loadCart() {

let cart = JSON.parse(localStorage.getItem('cart')) || [];

const cartList = document.getElementById('cartList');

cartList.innerHTML = '';

cart.forEach((book, index) => {

const li = document.createElement('li');

li.innerHTML = `

<span>${book}</span>

<button onclick="removeFromCart(${index})">Remove</button>

`;

cartList.appendChild(li);

});

}

function removeFromCart(index) {

let cart = JSON.parse(localStorage.getItem('cart')) || [];

cart.splice(index, 1);

localStorage.setItem('cart', JSON.stringify(cart));

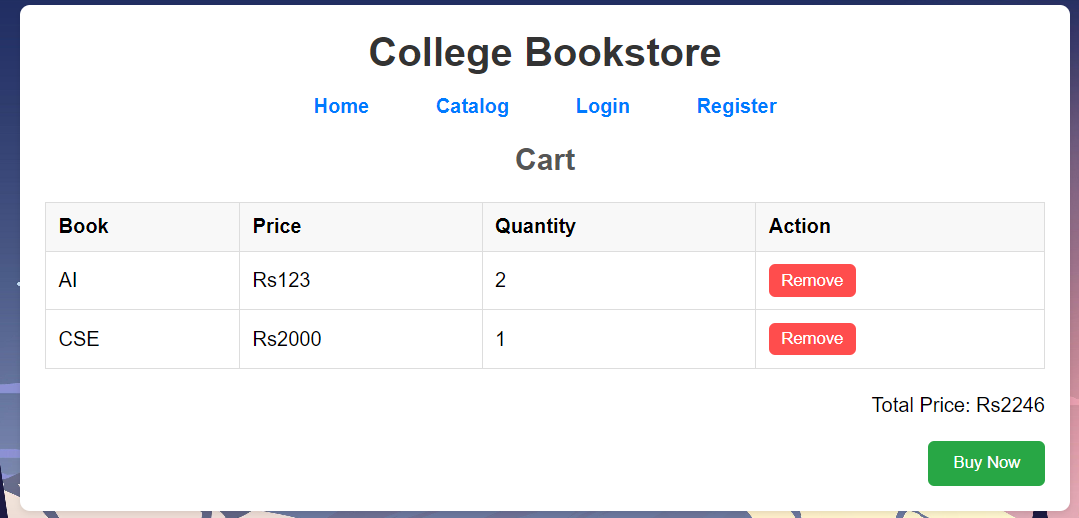
loadCart();

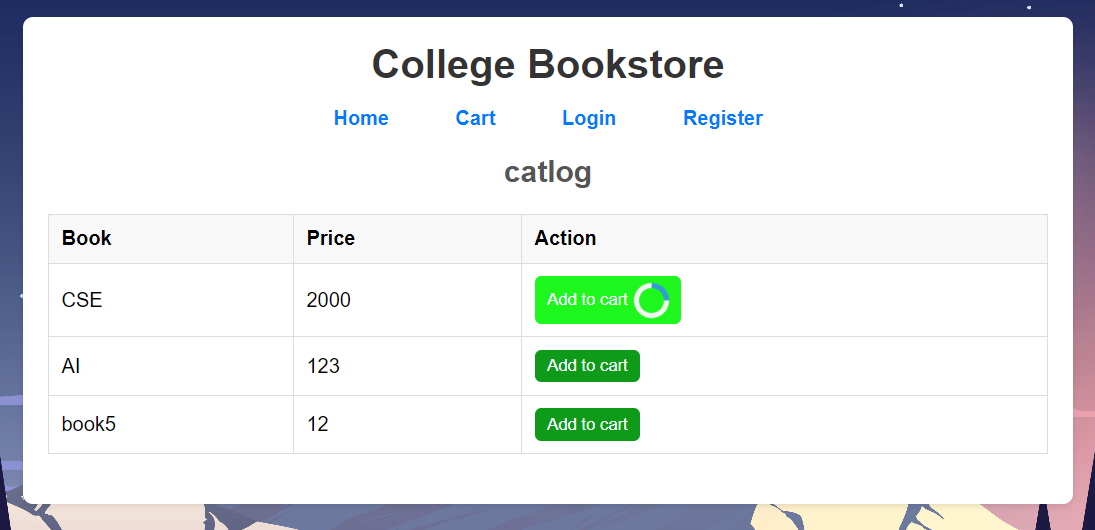
}

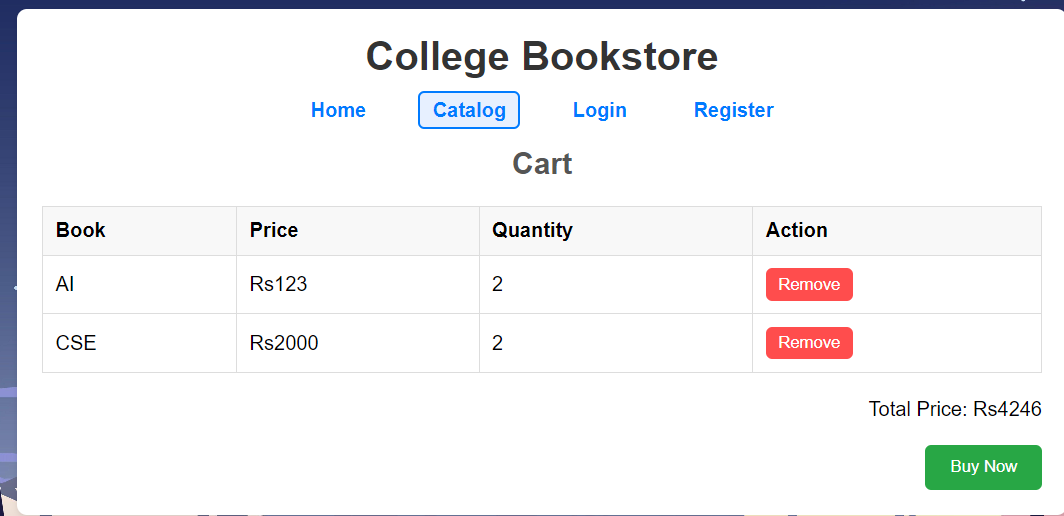
window.onload = loadCart;

</script>

**OUTPUT:**







**RESULT:** JSON concept is successfully implemented in the online bookstore page in catalogue and cart page.