



**INSTITUTE OF TECHNOLOGY AND MANAGEMENT
SKILLS UNIVERSITY,
KHARGHAR, NAVI MUMBAI**

CSS LAB MANUAL



Prepared by:

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Roll No: (150096723009)

Batch: 2023-27

Dept. of CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**INSTITUTE OF TECHNOLOGY AND MANAGEMENT
SKILLS UNIVERSITY,
KHARGHAR, NAVI MUMBAI**

CERTIFICATE

This is to certify that Mr. / Ms.._____Gaurang Jadhav_____

Roll No. 150096723009 of 2 Semester of B.Tech Computer Science & Engineering of ITM Skills University, Kharghar, Navi Mumbai , has completed the term work satisfactorily in subject_____CSS3_____for the academic year 2024 - 20 25 as prescribed in the curriculum.

Place: Mumbai

Date: 06/04/2024

Subject I/C

HOD

INDEX

Exp. No	List of Experiment	Date of Submission	Sign
1	<p>Design a web page using CSS (Cascading Style Sheets) which includes the following:</p> <p>1) Use different font, styles:</p> <p>In the style definition you define how each selector should work (font,color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.</p>		
2	<p>Write a HTML/CSS program to develop a static Web Page forShopping Cart.</p>		
3	<p>Design the following static web pages required for an online bookstore web site.</p> <p>1) HOME PAGE: The static home page must contain three frames.</p> <p>2) LOGIN PAGE</p> <p>3) CATOLOGUE PAGE: The catalogue page should contain thedetails of all the books available in the web site in a table.</p> <p>4) REGISTRATION PAGE</p>		
4	<p>Create a external style sheet named as “external_css.css” and provide some styles for h2, hr, p & a tags. Create an html file named as “4Style_sheet.html”</p> <ul style="list-style-type: none"> • Include the external style sheet with necessary tag. 		

	<ul style="list-style-type: none"> • Include the internal style sheet for body tags & also use class name,so that the style can be applied for all tags. • Include a <p> tags with inline style sheet. 		
5	WEB SITE project		

Name of Student: Gaurang Jadhav

Roll Number: 09

Experiment No: 01

Title:

1. Design a web page using CSS (Cascading Style Sheets) which includes the following:

Use different font, styles:

In the style definition you define how each selector should work (font, colour etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.

Theory:

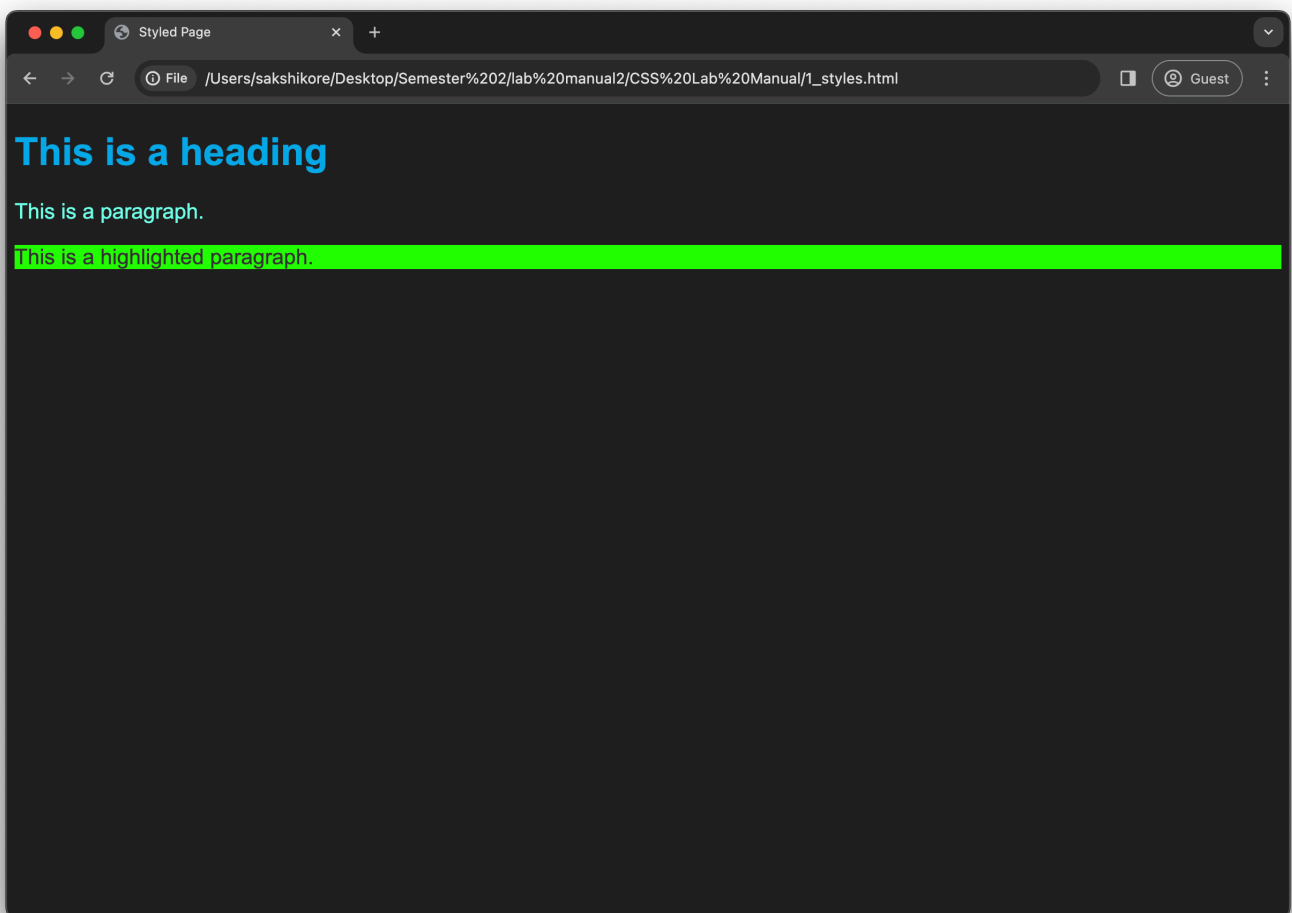
HTML and CSS form a dynamic duo in web development, harmonizing to produce visually appealing and well-structured web pages. Within the provided code snippet, HTML delineates the page's structure, featuring essential elements like headings, paragraphs, and custom classes tailored for styling. CSS steps in to elevate the presentation, wielding its prowess to apply stylistic attributes such as font families, sizes, and vibrant colors to specified elements such as headings and paragraphs. This seamless collaboration between HTML and CSS paves the way for crafting captivating and polished web pages.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Styled Page</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        font-size: 16px;
        color: #ddddd;
        background-color: #222;
      }
      h1 {
        font-size: 36px;
        color: #00a8e8;
      }
      p {
        font-size: 20px;
        color: #6effe8;
      }
      .highlight {
        background-color: rgb(43, 255, 0);
        color: #333;
      }
    </style>
  </head>
  <body>
    <h1>Hello, World!</h1>
    <p>This is a styled paragraph.</p>
    <p class="highlight">This paragraph is highlighted.</p>
  </body>
</html>
```

```
}  
</style>  
</head>  
<body>  
  <h1>This is a heading</h1>  
  <p>This is a paragraph.</p>  
  <p class="highlight">This is a highlighted paragraph.</p>  
</body>  
</html>
```

Output: (screenshot)



Conclusion:

In summary, the HTML and CSS code provided offers a glimpse into the intricacies of web development, demonstrating how these two languages collaborate to produce captivating and well-styled web pages. By mastering the fundamentals of HTML's structural elements and CSS's styling properties, developers unlock the potential to create visually stunning and seamlessly structured websites. This code serves as an essential starting point for aspiring web developers, providing a gateway to explore the boundless possibilities of modern web design.

Name of Student: Gaurang Jadhav

Roll Number: 09

Experiment No: 02

Title:

2. Write a HTML/CSS program to develop a static Web Page for Shopping Cart.

Theory:

This HTML code embodies the essence of a sophisticated shopping cart page, meticulously structured to offer users a seamless browsing experience. Each item is meticulously arranged within its section, complete with detailed product information, intuitive quantity adjustment options, and clear pricing details. The CSS further enhances the page's visual appeal, employing responsive design principles to ensure optimal display across various devices. By leveraging classes effectively in both HTML and CSS, the code promotes code reusability and facilitates streamlined maintenance, culminating in a polished and user-friendly shopping interface.

Code:

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping Cart</title>
  <link rel="stylesheet" href="styling.css">
</head>
<body>
  <div class="container">
    <h1>Shopping Cart</h1>
    <div class="cart-item">
      <div class="product-details">
        
        <div class="info">
          <h2>Men Green & Navy Blue Checked Casual Sustainable Shirt</h2>
          <p>Green and navy blue checked casual shirt, has a spread collar, long sleeves, button
placket, and curved hem</p>
          <p class="price">₹900.00</p>
          <div class="counter">
            <button>-</button>
            <span>1</span>
            <button>+</button>
          </div>
        </div>
      </div>
    </div>
    <br>
    <div class="product-details">
      
      <div class="info">
        <h2>Men Grey Slim Fit Mid-Rise Clean Look Stretchable Jeans</h2>
        <p>Light shade, no fade grey jeans, Slim fit, mid-rise, Clean look, Stretchable, 5
pockets, Length: regular</p>
        <p class="price">₹1500.00</p>
        <div class="counter">
          <button>-</button>
          <span>1</span>
          <button>+</button>
        </div>
      </div>
    </div>
    <div class="product-details">
      
      <div class="info">
```

```

        <h2>Men Blue & White Typography Print Back Cotton Tailored Jacket</h2>
        <p>Blue and white typography print tailored jacket, has a spread collar, 2 pockets ,has a
button closure, long sleeves, straight hemline, without lining</p>
        <p class="price">₹1150.00</p>
        <div class="counter">
            <button>-</button>
            <span>1</span>
            <button>+</button>
        </div>
    </div>
</div>
<div class="product-details">
    
    <div class="info">
        <h2>Ethnic Motifs Printed Mandarin Collar Straight Kurta</h2>
        <p>Colour: white and olive green, Ethnic motifs printed, Mandarin collar, Long, regular
sleeves, Straight shape with regular style, Above knee length with straight hem, Machine weave regular
polyester, 2 pockets</p>
        <p class="price">₹2200.00</p>
        <div class="counter">
            <button>-</button>
            <span>1</span>
            <button>+</button>
        </div>
    </div>
</div>
</div>
<div class="checkout-section">
    <h3>Total: ₹5750.00</h3>
    <button class="checkout-btn">Checkout</button>
</div>
</div>
</body>
</html>

```

CSS:

```

body {
    font-family: 'Arial', sans-serif;
    background-color: #f7f7f7;
    margin: 0;
    padding: 0;
}

.container {
    max-width: 800px;
    margin: 20px auto;
    padding: 20px;
    background-color: #fff;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

h1 {
    text-align: center;
    color: #333;
}

.cart-item {
    border-bottom: 1px solid #ddd;
    padding: 20px 0;
}

.product-details {
    display: flex;
    align-items: center;
}

.product-details img {
    width: 120px;
    height: auto;
    margin-right: 20px;
}

.info {
    flex-grow: 1;
}

h2 {
    color: #333;
    font-size: 24px;
    margin-bottom: 5px;
}

.price {
    color: #007bff;
}

```

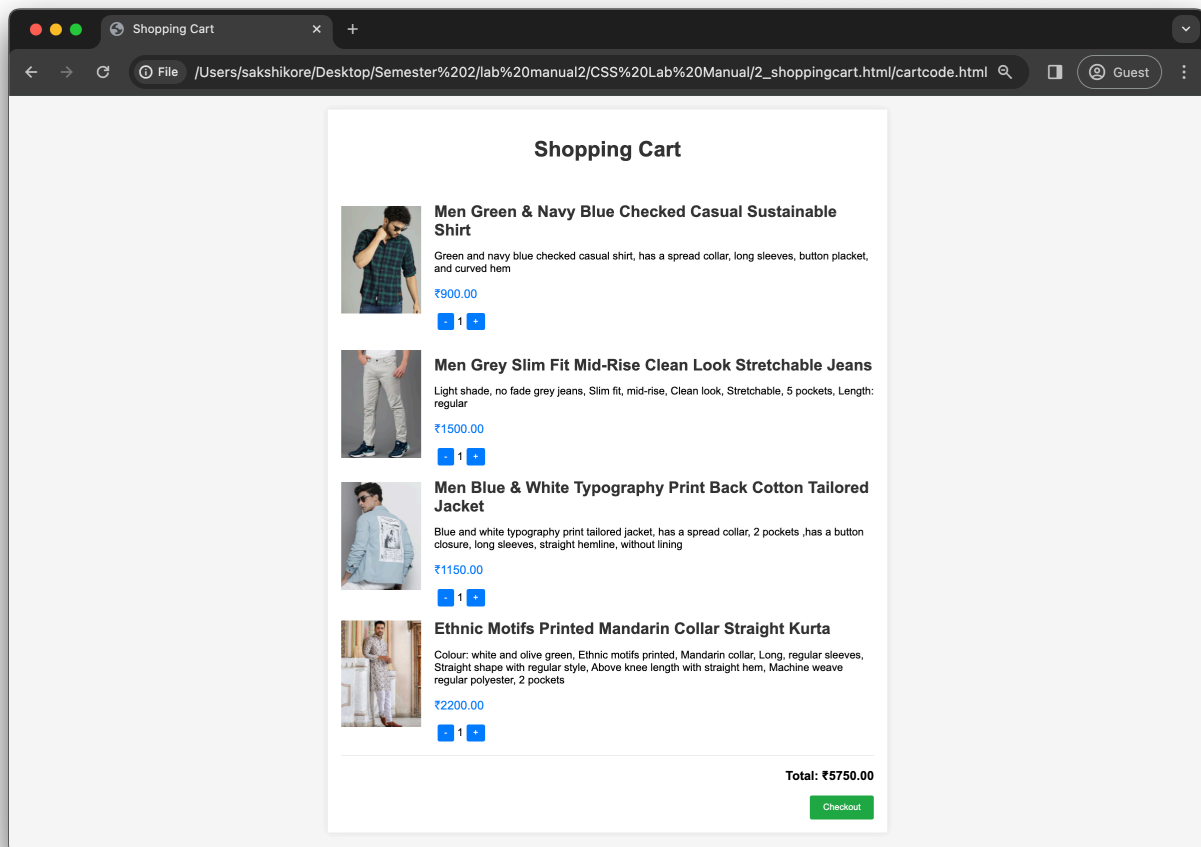


```

        font-size: 18px;
    }
    .counter {
        display: flex;
        align-items: center;
        margin-top: 10px;
    }
    .counter button {
        background-color: #007bff;
        color: #fff;
        border: none;
        padding: 5px 10px;
        cursor: pointer;
        border-radius: 3px;
        margin: 0 5px;
    }
    .checkout-section {
        text-align: right;
        margin-top: 20px;
    }
    .checkout-btn {
        background-color: #28a745;
        color: #fff;
        border: none;
        padding: 10px 20px;
        cursor: pointer;
        border-radius: 3px;
    }
    .checkout-btn:hover {
        background-color: #218838;
    }
}

```

Output: (screenshot)



Conclusion:

In summary, the provided HTML and CSS code epitomize excellence in crafting a shopping cart interface that seamlessly combines functionality with aesthetics. The page's responsiveness to varying screen sizes underscores its commitment to user experience, while the judicious use of classes enhances code organization and ease of maintenance. By adhering to best practices in web development, this code serves as a testament to the art of creating compelling and user-friendly shopping experiences online.

Name of Student: Gaurang Jadhav

Roll Number: 09

Experiment No: 03

Title:

3. Design the following static web pages required for an online bookstore web site.

1) HOME PAGE: The static home page must contain three frames.

2) LOGIN PAGE

3) CATALOGUE PAGE: The catalogue page should contain the details of all the books available in the web site in a table.

4) REGISTRATION PAGE

Theory:

In the realm of online bookstores, the provided HTML code stands as a testament to meticulous design and user-centric functionality. With a robust structure encompassing book listings, categories, and an intuitive search bar, the webpage caters to the diverse needs of book enthusiasts. Each book listing is meticulously presented with essential details, fostering a rich browsing experience. CSS lends a touch of elegance to the design, with responsive layouts ensuring optimal viewing across devices. Through the strategic use of classes, IDs, and semantic HTML elements, the code promotes clarity and organisation, setting a strong foundation for future enhancements and maintenance efforts.

Code:

Main Page:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Home Page</title>
</head>
<frameset cols="25%, 50%, *">
  <frame src="loginpage.html" name="login">
  <frame src="home.html" name="home">
  <frame src="registration.html" name="registration">
</frameset>
</html>
```

Home:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Home Page</title>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link href="design.css" rel="stylesheet" />
  <style>
    body {
      background-color: #6bc3fd;
      text-align: left;
    }
    .xyz {
      display: inline-block;
```

```

        text-align: left;
    }
</style>
</head>
<body>
    <header>
        <h1 style="text-align: center">Welcome to our Bookstore</h1>
    </header>
    <br />
    <nav class="flex-container" id="home">
        <a href="loginpage.html" style="margin-right: 100px; margin-left: 100px">
            >LOGIN</a>
        <a href="registration.html" style="margin-right: 100px">REGISTRATION</a>
        <a href="catalogue.html">BROWSE OUR CATALOGUE</a>
    </nav>
    <br />
    <h2>Featured Books</h2>
    <div class="flex-container">
        
        <ul>
            <li>To Kill a Mockingbird</li>
            <li>The Great Gatsby</li>
            <li>Harry Potter and the Sorcerer's Stone</li>
            <li>The Catcher in the Rye</li>
            <li>Pride and Prejudice</li>
        </ul>
    </div>
    <br />
    <br />
    <br />
    <br />
    <br />
    <footer>
        <p style="text-align: center">Copyright © 2023 My Online Bookstore</p>
    </footer>
</body>
</html>

```

```

Login:
<!DOCTYPE html>
<html lang="en">
    <head>
        <title>Login Page</title>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <link href="design.css" rel="stylesheet" />
        <style>
            body {
                background-color: #6bc3fd;
                text-align: center;
            }
        </style>
    </head>
    <body>
        <h1>Login to Your Account</h1>
        <nav class="flex-containers" id="home">
            <a href="home.html" style="margin-right: 150px">HOME</a>
            <a href="registration.html" style="margin-left: 50px">REGISTER ACCOUNT</a>
            <br /><br /><br /><br />
        </nav>
        <form>
            <fieldset>
                <label for="email">Email:</label>
                <input type="email" name="email" id="email" required /><br /><br />
                <label for="password">Password:</label>
                <input
                    type="password"
                    name="password"
                    id="password"
                    required

```

```

        /><br /><br />
        <input
            type="submit"
            value="Login"
            style="width: 75px; height: 25px;"
            class="button"
        />
    </fieldset>
</form>
<br />
<footer>
    <p style="text-align: center">Copyright © 2023 My Online Bookstore</p>
</footer>
</body>
</html>

```

Registration:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Registration Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <link href="design.css" rel="stylesheet" />
</head>
<body>
    <div>
        <h1>Create a New Account</h1>
        <div class="flex-containers" id="home">
            <a href="home.html" style="margin-right: 150px">HOME</a>
            <a href="loginpage.html" style="margin-left: 50px">LOGIN</a>
        </div>
        <form>
            <div>
                <div>
                    <label for="email">Email:</label>
                    <input type="email" name="email" id="email" required /><br />
                    <label for="password">Password:</label>
                    <input
                        type="password"
                        name="password"
                        id="password"
                        required
                    /><br />
                    <label for="name">Name:</label>
                    <input type="text" name="name" id="name" required /><br />
                    <label for="phone">Phone:</label>
                    <input type="tel" name="phone" id="phone" required /><br />
                    <label for="address">Address:</label>
                    <textarea name="address" id="address" required></textarea><br />
                    <input
                        type="submit"
                        value="Register"
                        style="width: 75px; height: 25px;"
                        class="button"
                    />
                </div>
            </div>
        </form>
    </div>
    <br /><br /><br />
    <div>
        <div>
            <div>
                <div>
                    <div>
                        <p>Copyright © 2023 My Online Bookstore</p>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
</html>

```

Catalogue:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Catalogue Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />

```

```

<link href="design.css" rel="stylesheet" />
<style>
  table {
    width: 100%;
    border-collapse: collapse;
  }
  th,
  td {
    border: 1px solid black;
    padding: 8px;
  }
  td {
    background-color: #e8cd9c;
  }
  th {
    background-color: #e78383;
  }
  body {
    background-color: #5dd1ae;
    text-align: center;
  }
  h1 {
    font-size: 3rem;
  }
  .price {
    font-weight: 700;
  }
</style>
</head>
<body>
  <h1>Our Book Catalogue</h1>
  <br /><br />
  <nav class="flex-containers" id="home">
    <a href="home.html" style="margin-right: 150px; margin-left: 150px">HOME</a>
    <a href="login.html" style="margin-right: 100px">LOGIN</a>
    <a href="registration.html" style="margin-right: 75px">REGISTRATION</a>
  </nav>
  <br /><br /><br />
  <table>
    <tr>
      <th>Title</th>
      <th>Author</th>
      <th class="price">Price</th>
    </tr>
    <tr>
      <td>To Kill a Mockingbird</td>
      <td>Harper Lee</td>
      <td class="price">₹150</td>
    </tr>
    <tr>
      <td>1984</td>
      <td>George Orwell</td>
      <td class="price">₹170</td>
    </tr>
    <tr>
      <td>The Great Gatsby</td>
      <td>F. Scott Fitzgerald</td>
      <td class="price">₹170</td>
    </tr>
    <tr>
      <td>Harry Potter and the Sorcerer's Stone</td>
      <td>J.K. Rowling</td>
      <td class="price">₹200</td>
    </tr>
    <tr>
      <td>The Catcher in the Rye</td>
      <td>J.D. Salinger</td>
      <td class="price">₹130</td>
    </tr>
    <tr>
      <td>Pride and Prejudice</td>
      <td>Jane Austen</td>
      <td class="price">₹200</td>
    </tr>
    <tr>
      <td>The Da Vinci Code</td>
      <td>Dan Brown</td>
    </tr>
  </table>

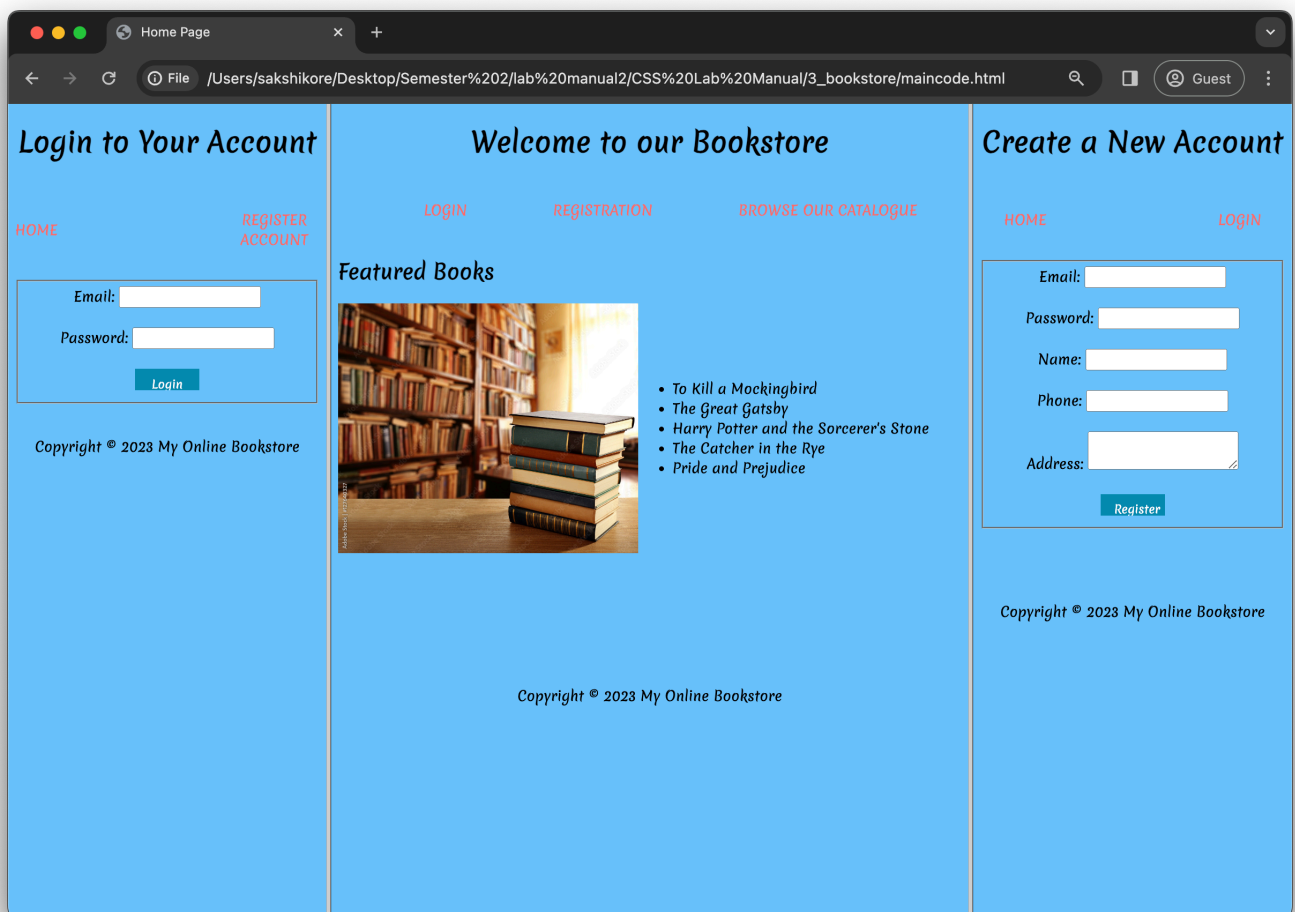
```

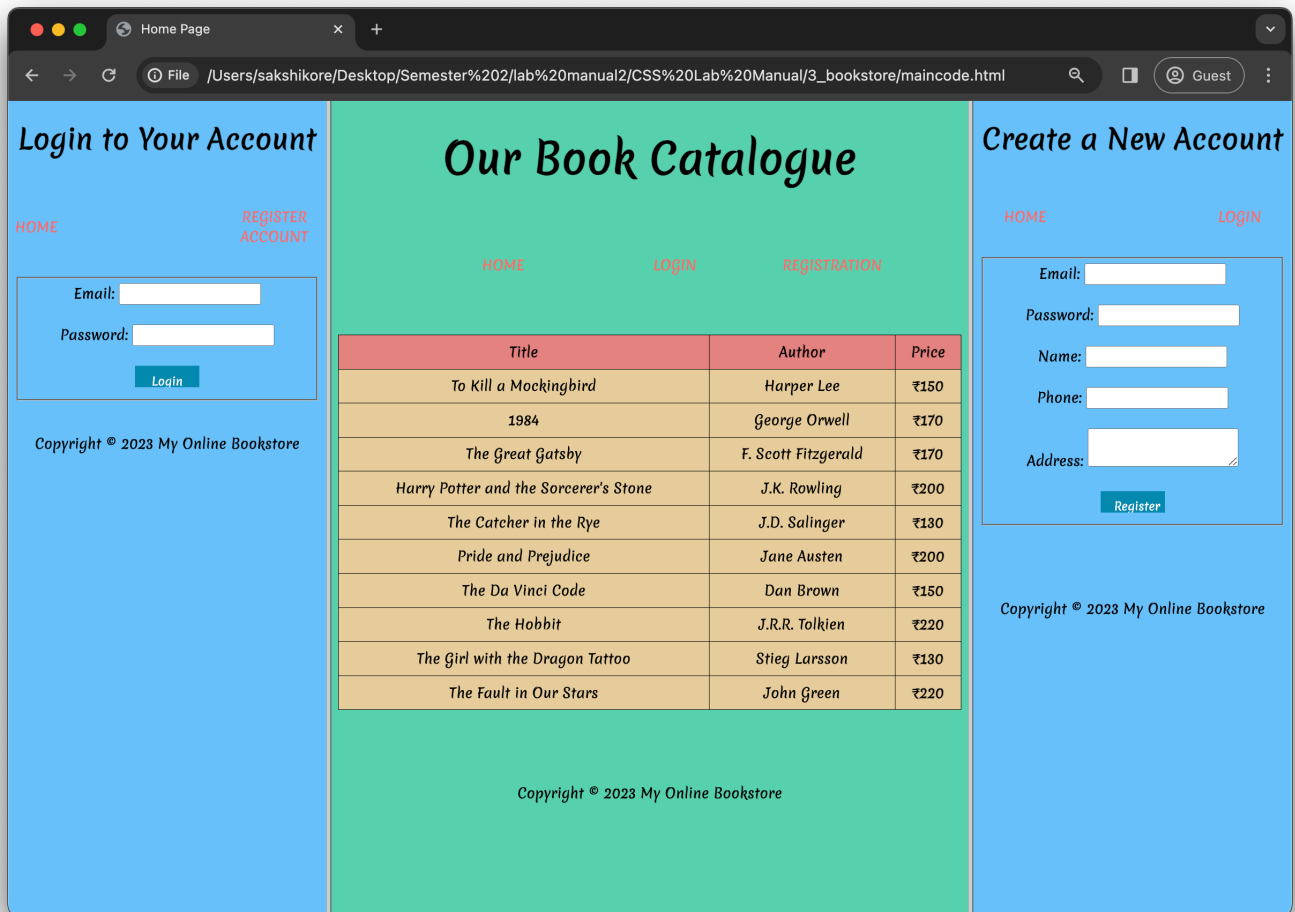
```

<td class="price">₹150</td>
</tr>
<tr>
<td>The Hobbit</td>
<td> J.R.R. Tolkien</td>
<td class="price">₹220</td>
</tr>
<tr>
<td>The Girl with the Dragon Tattoo</td>
<td>Stieg Larsson</td>
<td class="price">₹130</td>
</tr>
<tr>
<td>The Fault in Our Stars</td>
<td>John Green</td>
<td class="price">₹220</td>
</tr>
</table>
<br /><br /><br />
<footer>
<p>Copyright © 2023 My Online Bookstore</p>
</footer>
</body>
</html>

```

Output: (screenshot)





Conclusion:

In conclusion, the provided HTML and CSS code epitomize the art of crafting an engaging and immersive bookstore website. With meticulous attention to detail, the webpage offers a seamless journey for users to explore a vast array of literary treasures. Its responsive design ensures a consistent experience across devices, while the judicious use of classes, IDs, and semantic HTML elements promotes code maintainability and extensibility. As a result, this code sets a high standard for online bookstore development, delivering both aesthetic appeal and functional excellence.

Name of Student: Gaurang Jadhav

Roll Number: 09

Experiment No: 04

Title:

4. Create an external style sheet named as "external_css.css" and provide some styles for h2, hr, p & a tags. Create an html file named as "4Style_sheet.html"

- Include the external style sheet with necessary tag.
- Include the internal style sheet for body tags & also use class name, so that the style can be applied for all tags.
- Include a <p> tags with inline style sheet.

Theory:

Within the HTML code lies the blueprint for a dynamic webpage, meticulously crafted to engage visitors with intuitive navigation and compelling content. Anchored by a polished header housing a streamlined menu, the page unfolds into informative sections punctuated by crisp headings, descriptive paragraphs, and strategic hyperlinks. Through a harmonious fusion of internal and external CSS styles, the design exudes sophistication, with font variations, colour palettes, and layout arrangements meticulously curated for visual coherence. By judiciously applying inline styles and class selectors, the code ensures precise element styling, fostering code readability and scalability for future enhancements.

Code:

Html Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>External CSS and Internal CSS</title>
  <link href="external_css.css" rel="stylesheet">
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
    <nav>
      <a href="#">Home</a>
      <a href="#">About</a>
      <a href="#">Services</a>
      <a href="#">Contact</a>
    </nav>
  </header>
  <div class="container">
    <h2>This is a heading level 2</h2>
    <hr>
    <p>This is a paragraph with internal style sheet.</p>
```



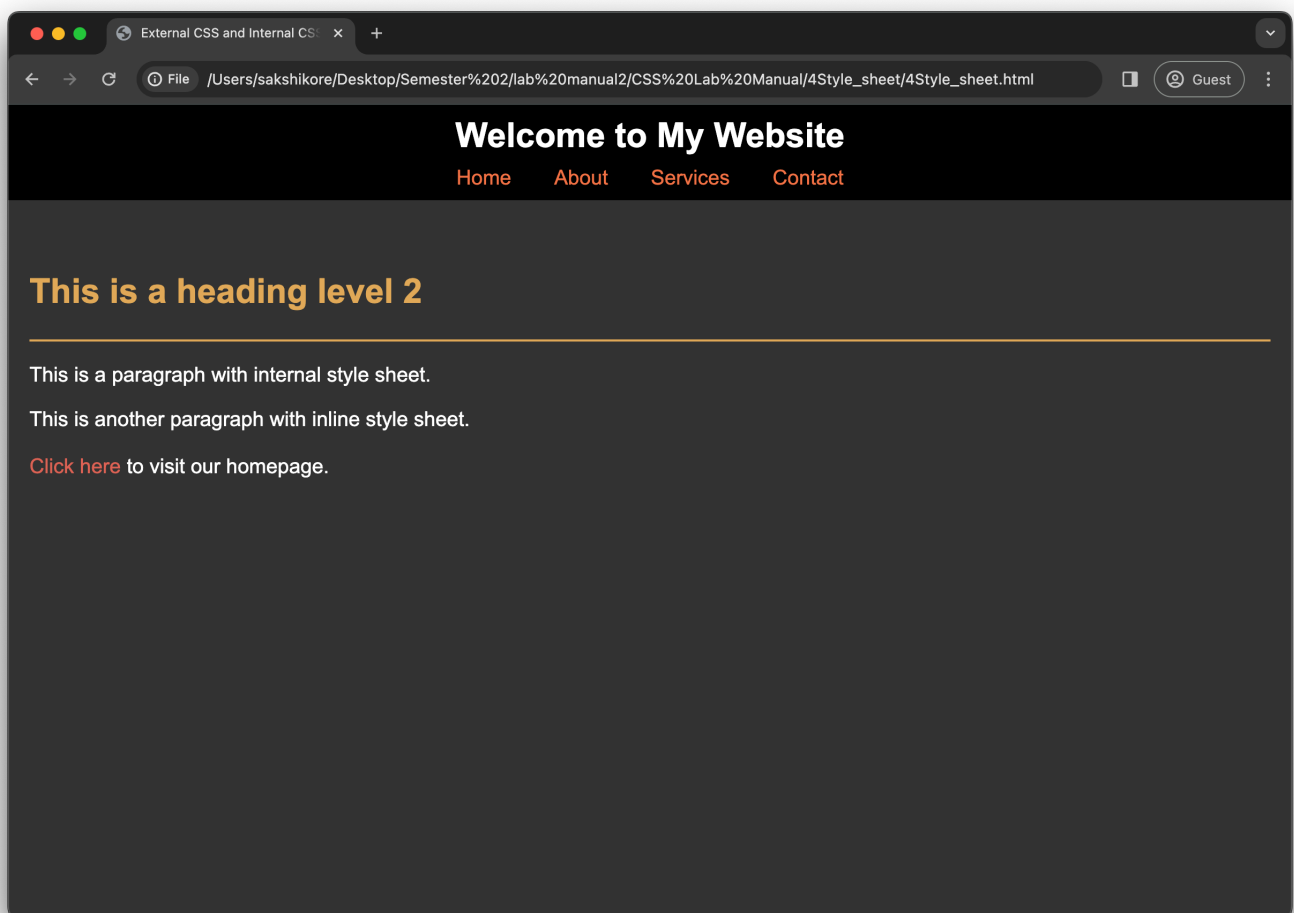
```
<p>This is another paragraph with inline style sheet.  
<br><br>  
<a href="#" class="shade">Click here</a> to visit our homepage.</p>  
</div>  
</body>  
</html>
```

CSS Code:

```
body {  
  font-family: Arial, sans-serif;  
  background-color: #333333;  
  color: #FFFFFF;  
  padding: 0;  
  margin: 0;  
}  
a {  
  color: #f27146;  
  text-decoration: none;  
  transition: color 0.3s ease;  
}  
a:hover {  
  color: #b24034;  
}  
header {  
  background-color: #000000;  
  padding: 10px 0;  
}  
h1 {  
  text-align: center;  
  margin: 0;  
}  
nav {  
  display: flex;  
  justify-content: center;  
  margin-top: 10px;  
}  
nav a {  
  margin: 0 20px;  
  font-size: 1.2rem;  
}  
nav a:hover {  
  color: #e0ab56;  
}  
.container {  
  max-width: 1200px;  
  margin: 20px auto;  
  padding: 20px;  
}  
h2 {  
  color: #e0ab56;  
  font-size: 2rem;  
}  
hr {  
  border: none;
```

```
border-top: 2px solid #e0ab56;
margin: 20px 0;
}
p {
font-size: 1.2rem;
}
.shade {
color: #e06456;
}
```

Output: (screenshot)



Conclusion:

In summary, the HTML code serves as a canvas for the meticulous application of CSS styles, transforming a rudimentary webpage into a captivating digital masterpiece. Through the strategic integration of internal and external CSS, the design seamlessly blends structural integrity with visual allure, captivating visitors from the moment they arrive. By embracing class selectors and leveraging an external CSS file, the code not only ensures consistency in design elements but also streamlines code management and scalability. In essence, this code embodies the essence of effective web design, where form and function intertwine to craft memorable online experiences.