

CSS LAB



Prepared by:

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Roll No: 18

Batch: 2023-27

Dept. of CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**INSTITUTE OF TECHNOLOGY AND MANAGEMENT
SKILLS UNIVERSITY,
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CERTIFICATE

This is to certify that Mr. / Ms. Rafe Shaikh Roll No. 150096723018 Semester II of B.Tech Computer Science & Engineering, ITM Skills University, Kharghar, Navi Mumbai , has completed the term work satisfactorily in subject CSS for the academic year 20_23 - 20_24 as prescribed in the curriculum.

Place: Kharghar

Date: 6/4/24

Subject I/C

HOD

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: 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>	6/4/24	
2	Write a HTML/CSS program to develop a static Web Page for Shopping Cart.	6/4/24	
3	<p>Design the following static web pages required for an online book store web site.</p> <p>1) HOME PAGE: The static home page must contain three frames.</p> <p>2) LOGIN PAGE</p> <p>3) CATALOGUE PAGE: The catalogue page should contain the details of all the books available in the web site in a table.</p> <p>4) REGISTRATION PAGE</p>	6/4/24	
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. • 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. 	6/4/24	
5	WEB SITE project	6/4/24	

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 1

Title: Design a web page using CSS (Cascading Style Sheets) which includes the following: 1) Use different font, styles: In the style definition you define how each selector should work(font, colour, etc.). Then, in the body of the pages, you refer to these selectors to activate the styles.

Theory: The tag was used to specify the font family, font size, and color of text. It can be modified by CSS and can be changed for a specific element(inline CSS), a specific page(internal CSS), and for the whole website(external CSS). In order to use internal CSS, we specify the selectors and the properties in the <style> tag in the head of the HTML document.

Code:

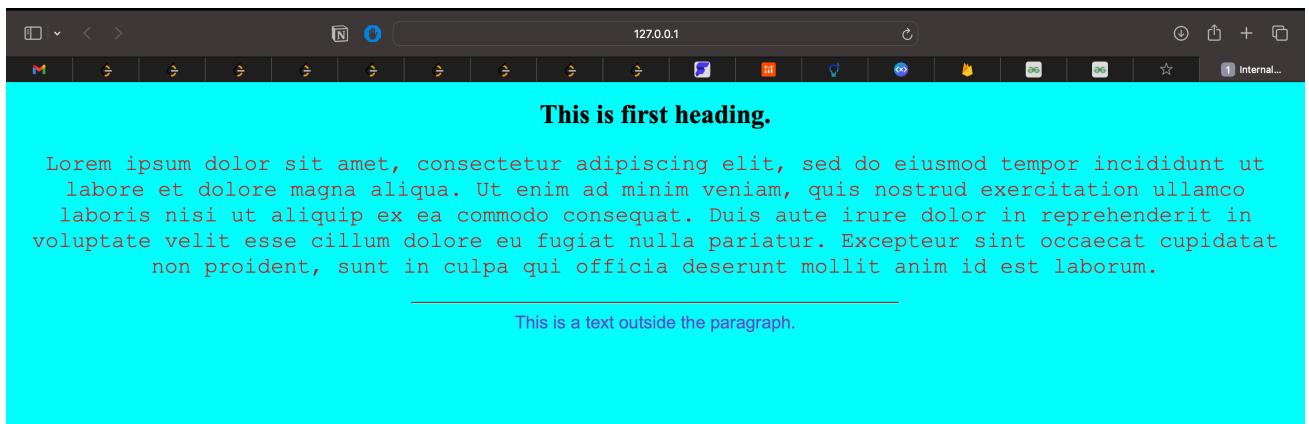
```
<!-- Design a web page using CSS (Cascading Style Sheets)
which includes the following:
1) Use different font, styles:
In the style definition you define how each selector should work
(font, color etc.). Then, in the body of your pages, you refer to
these selectors to activate the styles. -->
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Internal CSS</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1" />
    <link href="style.css" rel="stylesheet" />
    <style>
      body {
        font-family: Arial, sans-serif;
        font-size: 20px;
        background-color: aqua;
        text-align: center;
        color: rgb(90, 84, 196);
      }
      h1 {
        font-family: "Times New Roman", Times, serif;
        font-size: 30px;
        color: black;
      }
    </style>
  </head>
  <body>
    <h1>Hello World!</h1>
  </body>
</html>
```

```

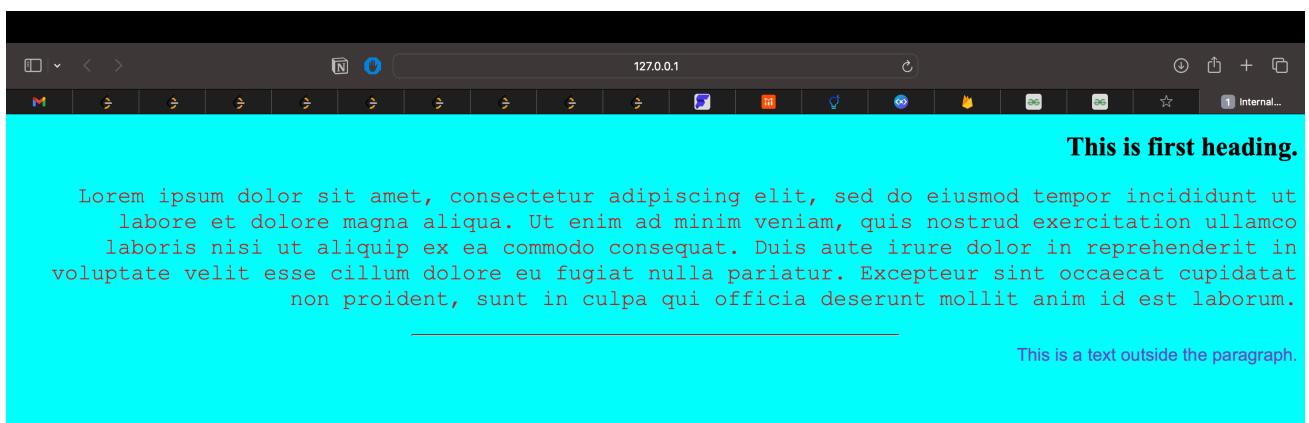
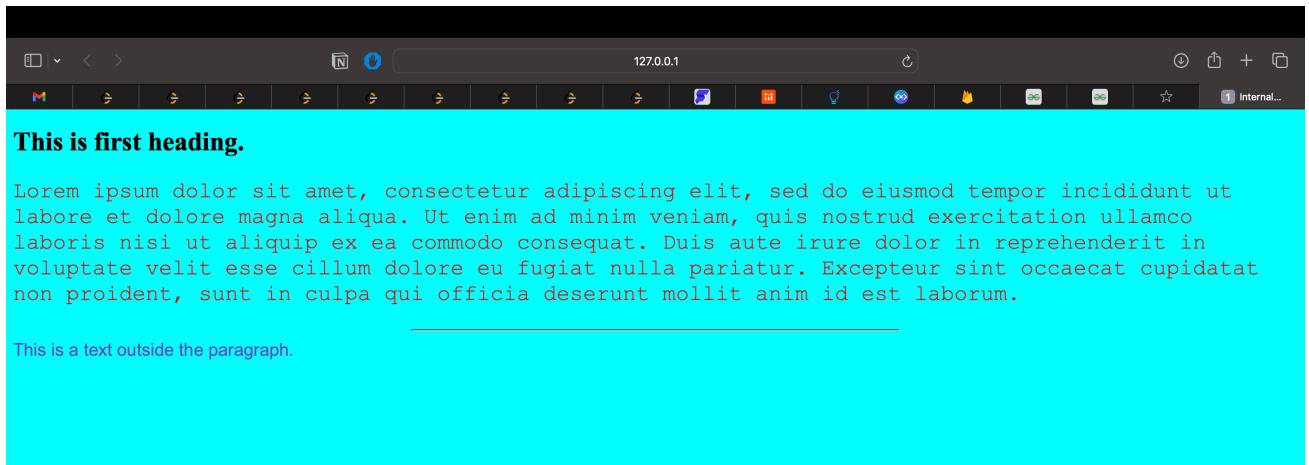
}
p {
    font-family: "Courier New", Courier, monospace;
    font-size: 25px;
    color: brown;
}
hr {
    width: 550px;
}
</style>
</head>
<body>
    <h1>This is first heading.</h1>
    <p>
        Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
        do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim
        ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut
        aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in
        voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur
        sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt
        mollit anim id est laborum.
    </p>
    <hr />
    This is a text outside the paragraph.
</body>
</html>

```

Output: (screenshot)



Test Case: Any two (screenshot)



Conclusion: Therefore, using `` tag in internal CSS by `<style>` tag in head of the HTML page, we can change the font type, font size and colour of the text in any element of the document.

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 2

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

Theory: Using class to reuse the same properties in various elements(tags) and various stylings like font-family, margin, padding, background-colour, box-shadow, colour, etc. Using `<a>`, `<button>` and `` tags to embed an image and a link to external payment website when buy now button is clicked.

Code:

```
<!-- Write a HTML/CSS program to develop a static Web Page  
for Shopping Cart. -->  
<!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>  
    <style>  
        body {  
            font-family: Arial, sans-serif;  
            margin: 0;  
            padding: 0;  
            background-color: aqua;  
        }  
  
        .container {  
            max-width: 1200px;  
            margin: 20px auto;  
            padding: 20px;  
            background-color: #fff;  
            box-shadow: 0 0 100px rgba(0, 0, 0, 0.1);  
        }  
  
        .product {  
            border-bottom: 1px solid #ddd;  
            padding: 10px 0;  
        }  
    </style>  
</head>  
<body>  
    <div class="container">  
        <h1>Welcome to Shopping Cart</h1>  
        <p>This is a static Web Page for Shopping Cart.</p>  
        <div>  
              
            <span>Your Cart</span>  
        </div>  
        <table border="1" style="width: 100%; border-collapse: collapse;">  
            <thead>  
                <tr>  
                    <th>Product Name</th>  
                    <th>Quantity</th>  
                    <th>Price</th>  
                    <th>Buy Now</th>  
                </tr>  
            </thead>  
            <tbody>  
                <tr>  
                    <td>Product A</td>  
                    <td>1</td>  
                    <td>$100</td>  
                    <td><a href="https://www.example.com/buy-now">Buy Now</a></td>  
                </tr>  
                <tr>  
                    <td>Product B</td>  
                    <td>1</td>  
                    <td>$200</td>  
                    <td><a href="https://www.example.com/buy-now">Buy Now</a></td>  
                </tr>  
                <tr>  
                    <td>Product C</td>  
                    <td>1</td>  
                    <td>$300</td>  
                    <td><a href="https://www.example.com/buy-now">Buy Now</a></td>  
                </tr>  
            </tbody>  
        </table>  
        <div style="text-align: right; margin-top: 20px;">  
            <button>View Cart</button> <button>Checkout</button>  
        </div>  
    </div>  
</body>
```

```
        }
    }

    .product img {
        max-width: 100px;
        height: auto;
        vertical-align: middle;
        margin-right: 20px;
    }

    .product .info {
        display: inline-block;
        vertical-align: middle;
    }

    .product .name {
        font-weight: bold;
        font-size: 18px;
        margin-bottom: 5px;
    }

    .product .price {
        color: #007bff;
        font-size: 16px;
    }

    .cart {
        background-color: #007bff;
        color: #fff;
        padding: 10px 20px;
        text-decoration: none;
        border-radius: 5px;
        display: inline-block;
        margin-top: 20px;
    }

    .cart:hover {
        background-color: #0056b3;
    }

    h1 {
        text-align: center;
    }

</style>
</head>

<body>
    <div class="container">
        <h1>Shopping Cart</h1>
        <div class="product">
```

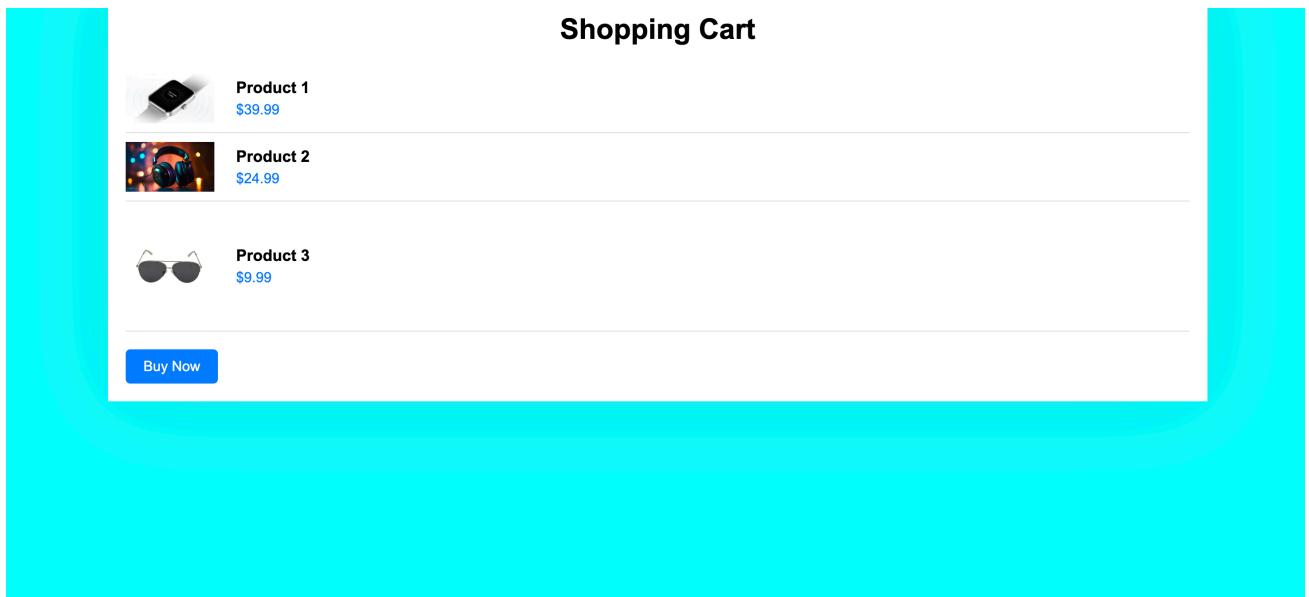
```


    <div class="info">
        <div class="name">Product 1</div>
        <div class="price">$39.99</div>
    </div>
</div>
<div class="product">
    
        <div class="info">
            <div class="name">Product 2</div>
            <div class="price">$24.99</div>
        </div>
</div>
<div class="product">
    
        <div class="info">
            <div class="name">Product 3</div>
            <div class="price">$9.99</div>
        </div>
</div>
<a href="https://www.amazon.in/" class="cart">Buy Now</a>
</div>
</body>

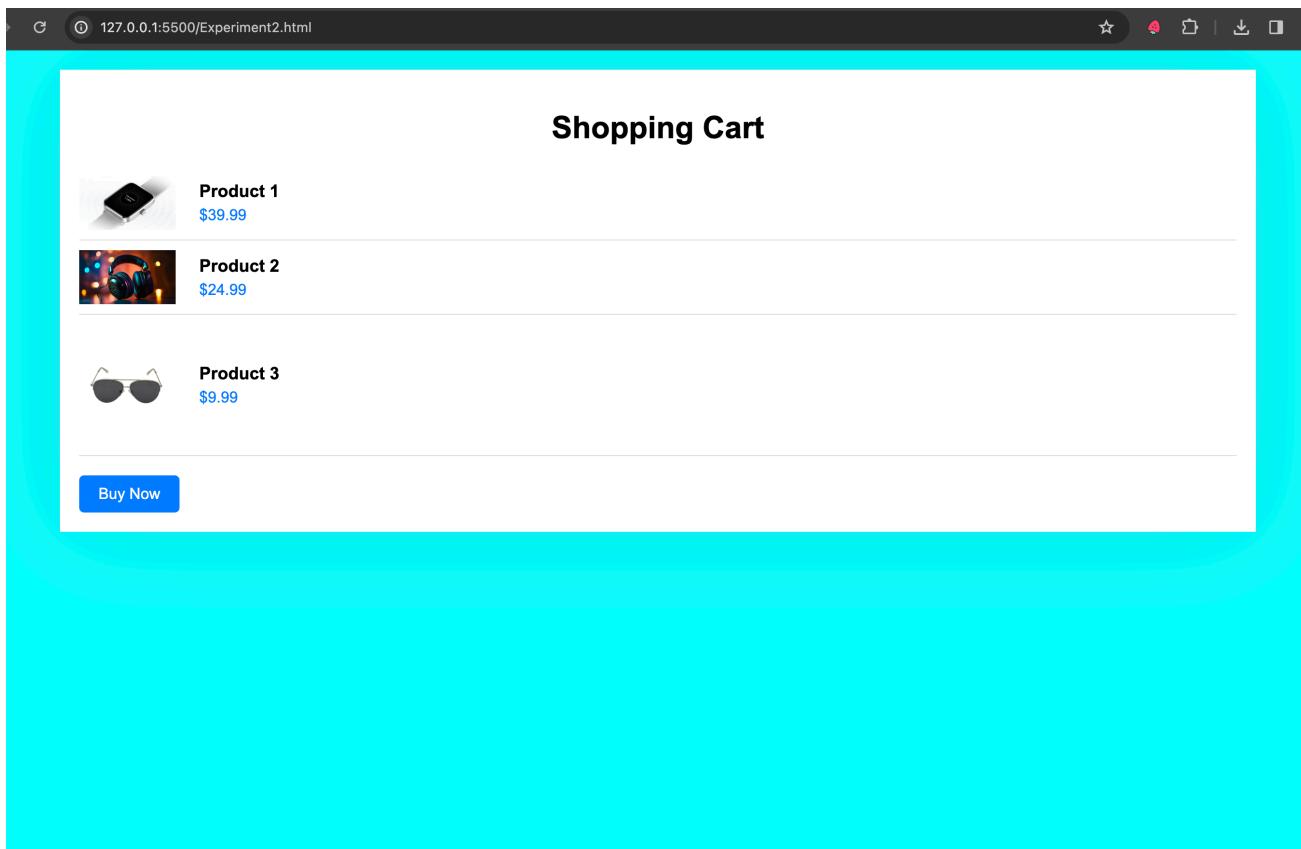
</html>

```

Output: (screenshot)



Test Case: Any two (screenshot)



When buy now is clicked-

A screenshot of the Amazon.in homepage. The top features a banner for "PLAYGROUND" with actors and a "WATCH FOR FREE | miniTV". Below the banner are several promotional sections: "Appliances for your home | Up to 55% off" (showing Air conditioners and Refrigerators), "Up to 60% off | Styles for men" (showing Clothing and Footwear), "Up to 75% off | Headphones" (showing boAt and boulT), and "Sign in for your best experience" (with a "Sign in securely" button). The bottom of the page shows more categories like Watches, Bags & wallets, Noise, and Zebronics, along with a featured product for a LONGBO Master Royale Analog Stainless Steel Watch.

Conclusion: Therefore, using class to reuse the same properties in various tags and <a> , <button> and tags among others to make a static shopping cart webpage.

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 3

Title: 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: Using <frameset> to divide the home page in frames, using <table> tag in catalogue page, using <form> in registration and login page and using classes and storing them in an external css file to reuse them in various other elements in various webpages.

Code:

home.html code-

```
<!DOCTYPE html>
<html>
<head>
    <style>
        body {
            font-family: Arial, sans-serif;
        }

        #header {
            background-color: #333;
            padding: 20px;
            text-align: center;
        }

        #featured-books {
            background-color: #f2f2f2;
            padding: 20px;
        }

        #categories {
            background-color: #ccc;
            padding: 20px;
        }
    </style>
```

```
</head>
<title>Online Book Store</title>
<frameset cols="20%,*,20%">
  <frame src = "/Experiment3/login.html">
  <frame src = "/Experiment3/catalogue.html">
  <frame src = "/Experiment3/registration.html">
</frameset>
</html>
```

login.html :

```
<!DOCTYPE html>
<html>
<head>
  <title>Online Book Store – Login</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }

    #login-page {
      background-color: #333;
      padding: 20px;
    }
  </style>
</head>
<body>
  <h1 align="center">Login</h1>
  <br><br>
  <form action="#" method="post">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username"><br><br>
    <label for="password">Password:</label>
    <input type="password" id="password" name="password"><br><br>
    <input type="submit" value="Log In">
  </form>
</body>
</html>
```

catalogue.html :

```
<!DOCTYPE html>
<html>
<head>
    <title>Online Book Store – Login</title>
    <style>
        body {
            font-family: Arial, sans-serif;
        }
        #login-page {
            background-color: #333;
            padding: 20px;
        }
    </style>
</head>
<body>
    <h1 align="center">Login</h1>
    <br><br>
    <form action="#" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username"><br><br>
        <label for="password">Password:</label>
        <input type="password" id="password" name="password"><br><br>
        <input type="submit" value="Log In">
    </form>
</body>
</html>
```

Registration.html :

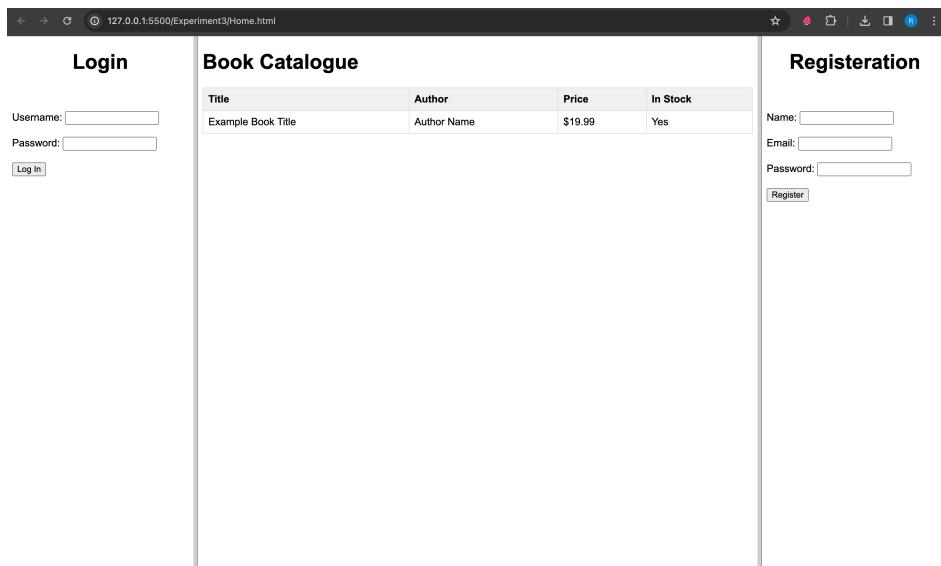
```
<!DOCTYPE html>
<html>
<head>
    <title>Online Book Store – Register</title>
    <style>
        body {
            font-family: Arial, sans-serif;
        }
        #register-page {
            background-color: #333;
            padding: 20px;
        }
    </style>
</head>
<body>
```

```

<h1 align="center">Registration</h1>
<br><br>
<form action="#" method="post">
  <label for="name">Name:</label>
  <input type="text" id="name" name="name"><br><br>
  <label for="email">Email:</label>
  <input type="email" id="email" name="email"><br><br>
  <label for="password">Password:</label>
  <input type="password" id="password" name="password"><br><br>
  <input type="submit" value="Register">
</form>
</body>
</html>

```

Output: (screenshot)



Conclusion: Therefore, using classes, `<style>`, `<table>`, `<form>` and `<frameset>` to develop a static online bookstore website.

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 4

Title: Create a external style sheet named as “external_css.css” and provide some styles for h2, p, hr & 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: Using external css by <link> tag in head of the document, inline css by <style> tag in head of the document, class to reuse the properties in various elements of the document, and inline css in specific elements in the document.

Code:

external_css.css code-

```
h2 {  
    color: red;  
    font-size: 20px;  
}  
  
p {  
    color: blue;  
    font-size: 15px;  
}  
  
a {  
    color: white;  
    font-size: 20px;  
}  
  
hr {  
    display: block;  
    margin-top: 0.5em;  
    margin-bottom: 0.5em;  
    margin-left: auto;  
    margin-right: auto;  
    border-style: inset;  
    border-width: 1px;
```

```
    color: black;  
}
```

4Style_sheet.html code-

```
<!-- 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"  
• 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. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <title>Different style sheets</title>  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width, initial-  
scale=1" />  
    <link href="external_css.css" rel="stylesheet" />  
    <style>  
      body {  
        background-color: teal;  
        font-family: "Times New Roman", Times, serif;  
        text-align: center;  
        color: black;  
      }  
      .class1 {  
        font-family: "Courier New", Courier, monospace;  
        font-size: large;  
        color: brown;  
      }  
    </style>  
  </head>  
  <body>  
    <h1 class="class1">This is first heading.</h1>  
    <hr />  
    <h2>This is second heading.</h2>  
    <hr />  
    <p>This is a paragraph with external style sheet</p>  
    <hr />  
    <p style="font-family: 'Arial', sans-serif; color: blue">  
      This is a paragraph with inline style sheet  
    </p>  
    <hr />
```

```
        <a href="https://www.amazon.in/" target="_blank">Go to  
Amazon</a>  
        <hr />  
        </body>  
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)

Conclusion: Therefore, using external css by `<link>` tag in head of the document, inline css by `<style>` tag in head of the document, class to reuse the properties in various elements of the document, and inline css in specific elements in the document.

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 5

Title: WEB SITE project.

Theory: Using external css, inline css, classes and various other styling and tags like <a>, , <div>, <nav>, <h1> and various other tags.

Code:

Output: (screenshot)

Test Case: Any two (screenshot)