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

CSS LAB

Prepared by:

Name of Student : Mahajan Piyush

Roll No: 35

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. ____Mahajan Piyush_ Roll No. _35___ Semester _2__ 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 2023 - 2027 as prescribed in the curriculum.

Place: Navi Mumbai

Date: 6/4/2024

Subject I/C   **HOD**

Exp. No	List of Experiment	Date of Submission	Sign
1	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.		
2	Write a HTML/CSS program to develop a static Web Page for Shopping Cart.		
3	Design the following static web pages required for an online book store 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		
4	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.		
5	WEB SITE project		

Name of Student: Mahajan Piyush

Roll Number: 35

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 <font> 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:

```html
<!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;
      }
      p {
        font-family: "Courier New", Courier, monospace;
        font-size: 25px;
        color: brown;
```
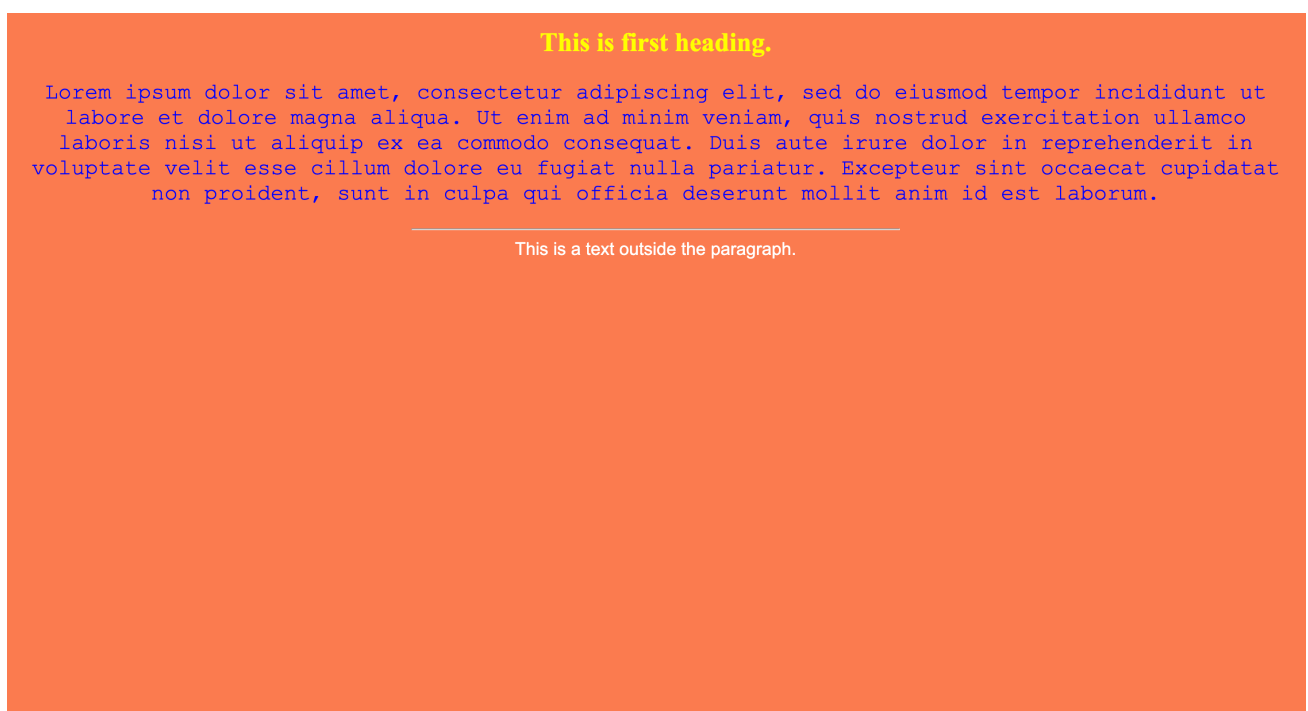
```
        }
        hr {
            width: 550px;
        }
    </style>
  </head>
  <body>
    <h1>This is first heading.</h1>
    <p>
      Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod
      tempor incididunt ut labore et dolore magna aliqua. Ut enim
ad minim
      veniam, 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)

This is first heading.

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.

This is a text outside the paragraph.

Conclusion: Therefore, using <font> 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: Mahajan Piyush

Roll Number: 35

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 <img> tags to embed an image and a link to external payment website when buy now button is clicked.

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>
```

```
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: coral;
  }

  .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;
  }

  .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">
        <img
          src="https://images.unsplash.com/photo-1523206489230-
c012c64b2b48?
q=80&w=3087&auto=format&fit=crop&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MH
xwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D"
          alt="Product 1"
        />
        <div class="info">
          <div class="name">Product 1</div>
          <div class="price">$39.99</div>
        </div>
      </div>
      <div class="product">
        <img
          src="https://images.unsplash.com/photo-1542496658-
e33a6d0d50f6?
q=80&w=2940&auto=format&fit=crop&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MH
xwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D"
          alt="Product 2"
        />
        <div class="info">
          <div class="name">Product 2</div>
          <div class="price">$24.99</div>
        </div>
      </div>
      <div class="product">
        <img
          src="https://images.unsplash.com/
photo-1531104985437-603d6490e6d4?
q=80&w=2939&auto=format&fit=crop&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MH
xwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D"
```

```
          alt="Product 3"
        />
        <div class="info">
          <div class="name">Product 3</div>
          <div class="price">$9.99</div>
        </div>
      </div>
      <a href="https://pay.google.com/about/" class="cart">Buy
Now</a>
    </div>
  </body>
</html>
```
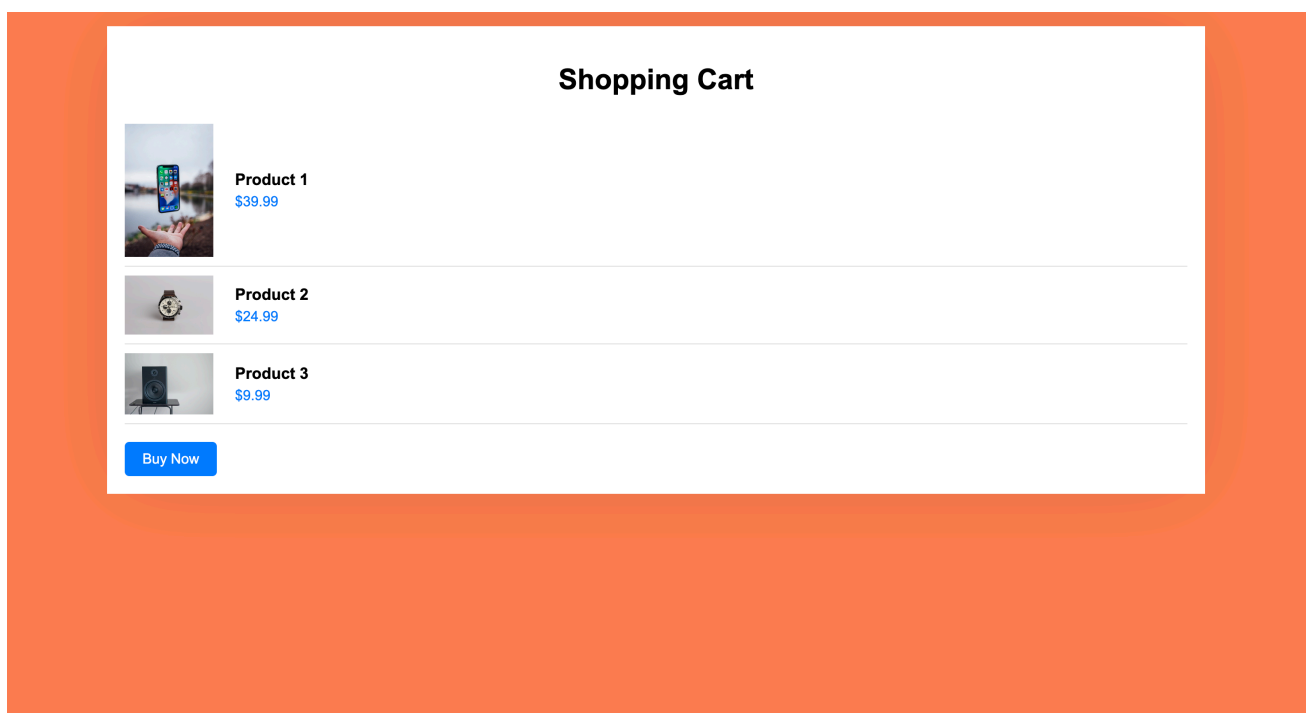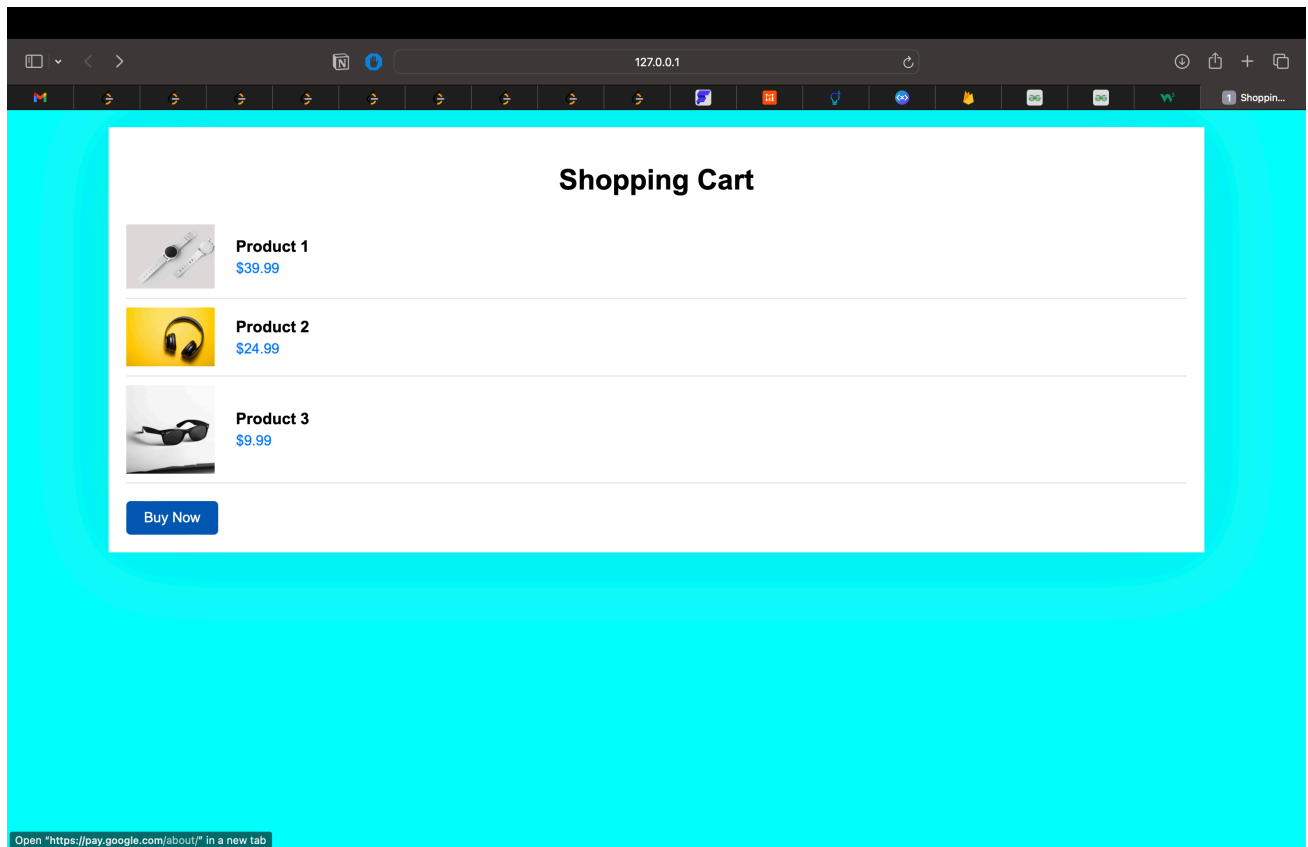
Output: (screenshot)

Test Case: Any two (screenshot)

When buy now is clicked-

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

Name of Student: Mahajan Piyush

Roll Number: 35

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:

homepage.html code-

```html
<!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="login.html" name="login">
    <frame src="home.html" name="home">
    <frame src="registration.html" name="registration">
</frameset>
</html>
```

home.html code-

```html
<!-- Design the following static web pages required for an online
book store web site.
1) HOME PAGE: The static home page must contain three
frames.
2) LOGIN PAGE
3) CATOLOGUE PAGE: The catalogue page should
contain the details of all the books available in the web
```

```
site in a table.
4) REGISTRATION PAGE -->
<!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="bookstore.css" rel="stylesheet" />
    <style>
      body {
        background-color: aqua;
        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="login.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">
      <img
        align="left"
        style="width: 350px"
        src="https://media.istockphoto.com/id/949118068/photo/
books.jpg?s=1024x1024&w=is&k=20&c=CDrLRc8X_JrFr-
uDbNKrOKrmfIV_M2Af7z1Hb3cYEvY="
        alt="book_img"
      />
      <ul>
        <li>Art Of War</li>
        <li>Harry Potter</li>
```

```html
        <li>Diary Of A Wimpy Kid</li>
      </ul>
    </div>
    <br />
    <br />
    <br />
    <br />
    <br />
    <br />
    <footer>
      <p style="text-align: center">Copyright © 2023 My Online
Bookstore</p>
    </footer>
  </body>
</html>
```

registration.html code-

```html
<!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="bookstore.css" rel="stylesheet" />
    <style>
      body {
        background-color: aqua;
        text-align: center;
      }
    </style>
  </head>
  <body>
    <h1>Create a New Account</h1>
    <nav class="flex-containers" id="home">
      <a href="home.html" style="margin-right: 150px">HOME</a>
      <a href="login.html" style="margin-left: 50px">LOGIN</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"
```

```html
          id="password"
          required
        /><br /><br />
        <label for="name">Name:</label>
        <input type="text" name="name" id="name" required /><br /
><br />
        <label for="phone">Phone:</label>
        <input type="tel" name="phone" id="phone" required /><br /
><br />
        <label for="address">Address:</label>
        <textarea name="address" id="address" required></
textarea><br /><br />
        <input
          type="submit"
          value="Register"
          style="width: 75px; height: 25px; background-color:
greenyellow"
        />
      </fieldset>
    </form>
    <br /><br /><br />
    <footer>
      <p>Copyright © 2023 My Online Bookstore</p>
    </footer>
  </body>
</html>
```

login.html code-

```html
<!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="bookstore.css" rel="stylesheet" />
    <style>
      body {
        background-color: aqua;
        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>
```

```html
      <a href="registration.html" style="margin-left:
50px">REGISTER ACCOUNT</a>
      <br /><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; background-color:
greenyellow"
        />
      </fieldset>
    </form>
<br />
    <footer>
      <p style="text-align: center">Copyright © 2023 My Online
Bookstore</p>
    </footer>
  </body>
</html>
```

catalogue.html code-

```html
<!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="bookstore.css" rel="stylesheet" />
    <style>
      table {
        width: 100%;
        border-collapse: collapse;
      }

      th,
```

```
    td {
      border: 1px solid black;
      padding: 8px;
    }
    td {
      background-color: greenyellow;
    }
    th {
      background-color: #f2f2f2;
    }

    body {
      background-color: aqua;
      text-align: center;
    }
  </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>Price</th>
      </tr>
      <tr>
        <td>Art Of War</td>
        <td>Sun Tzu</td>
        <td>$19.99</td>
      </tr>
      <tr>
        <td>Harry Potter</td>
        <td>J.K Rowling</td>
        <td>$24.99</td>
      </tr>
      <tr>
        <td>Diary Of A Wimpy Kid</td>
        <td>Jeff Kinley</td>
```
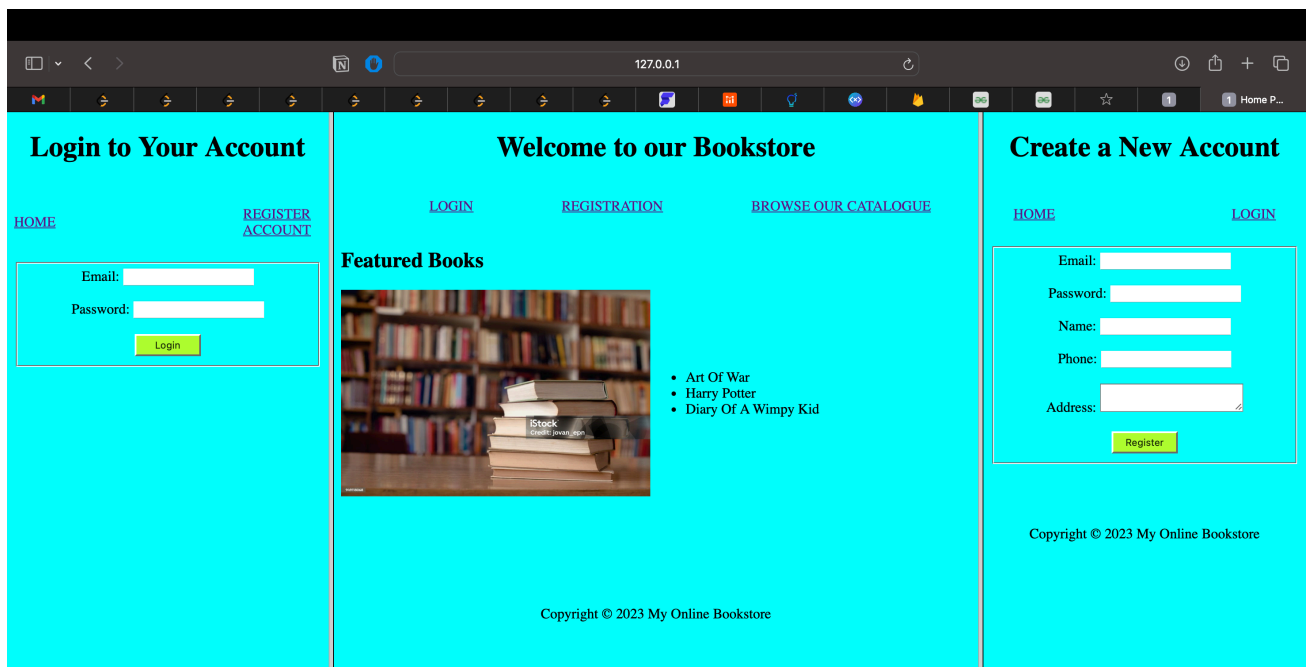
```
        <td>$29.99</td>
      </tr>
    </table>
    <br /><br /><br />
    <footer>
        <p>Copyright © 2023 My Online Bookstore</p>
    </footer>
  </body>
</html>
```
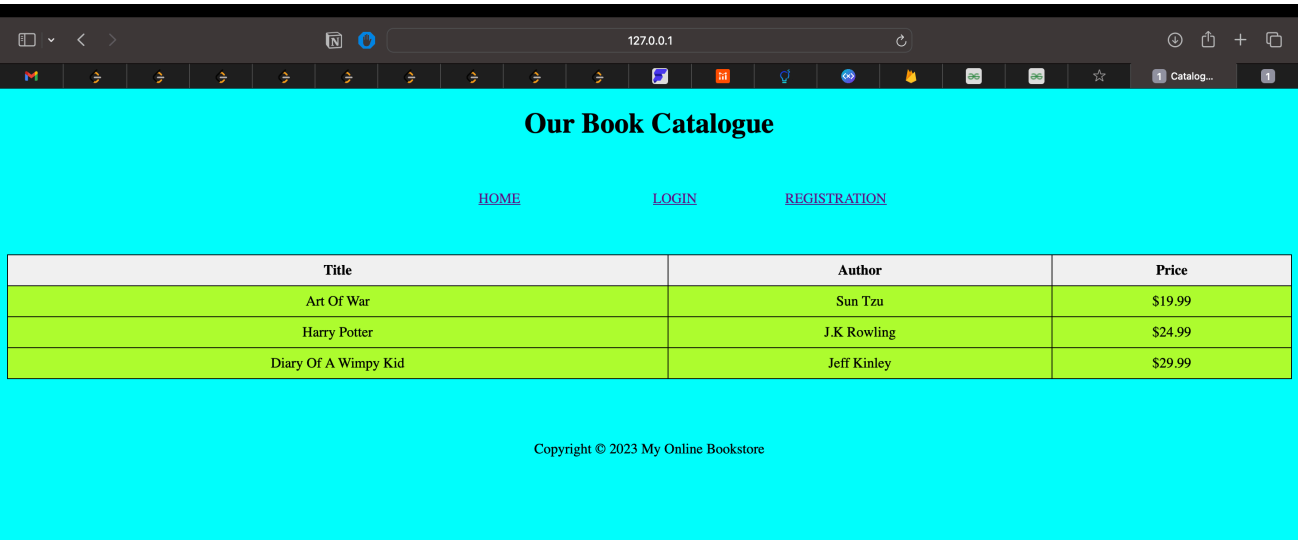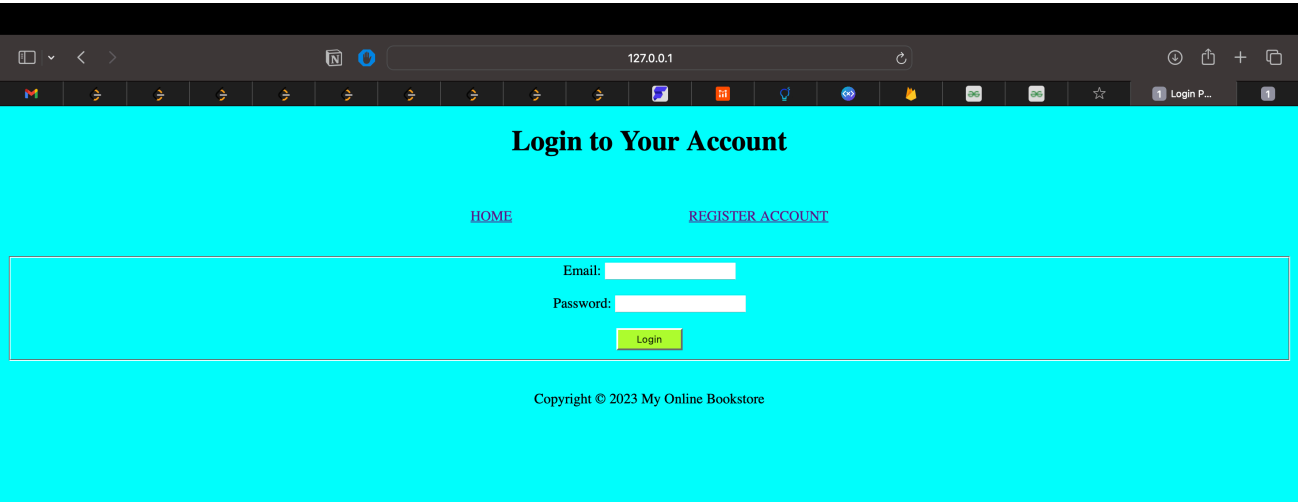
bookstore.css code-
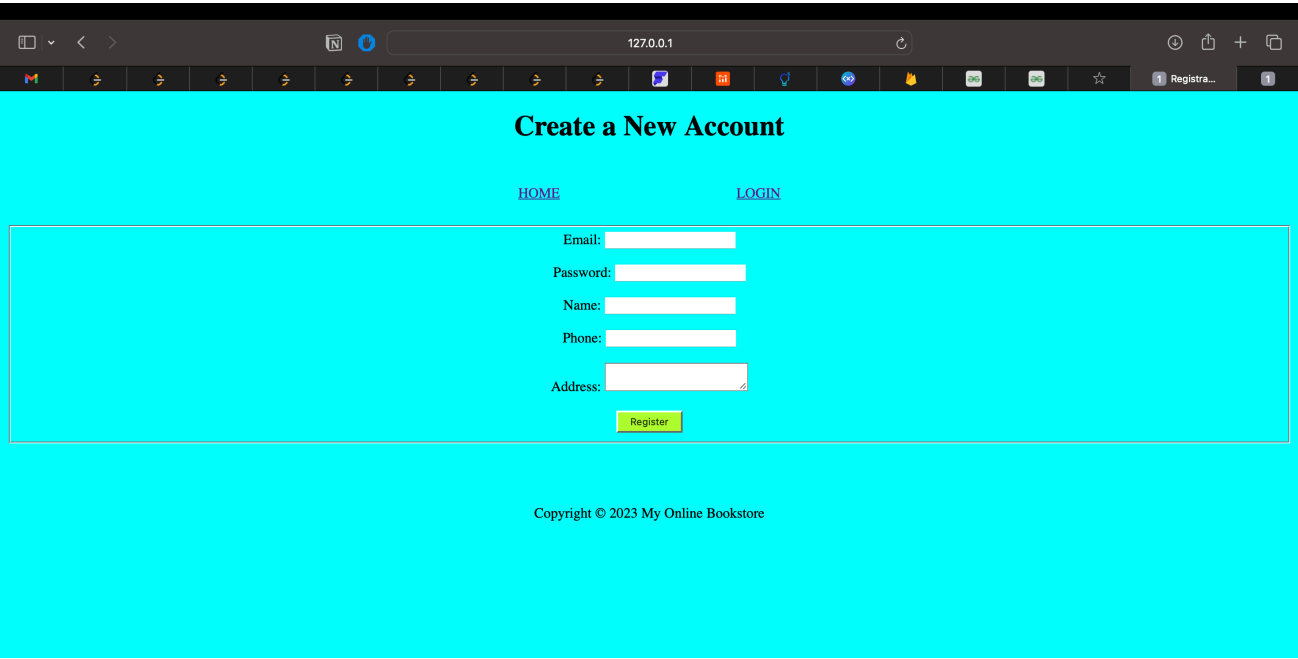
```
.flex-container {
  flex-direction: row;
  display: flex;
  align-items: center;
}
.flex-containers {
    flex-direction: row;
    display: flex;
    align-items: center;
    justify-content: center;
  }
```

Output: (screenshot)

Test Case: Any two (screenshot)

Create a New Account

HOME   LOGIN

Email:
Password:
Name:
Phone:
Address:

Register

Copyright © 2023 My Online Bookstore

Login to Your Account

HOME   REGISTER ACCOUNT

Email:
Password:

Login

Copyright © 2023 My Online Bookstore

Our Book Catalogue

HOME   LOGIN   REGISTRATION

Title	Author	Price
Art Of War	Sun Tzu	$19.99
Harry Potter	J.K Rowling	$24.99
Diary Of A Wimpy Kid	Jeff Kinley	$29.99

Copyright © 2023 My Online Bookstore

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

Name of Student: Mahajan Piyush

Roll Number: 35

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.
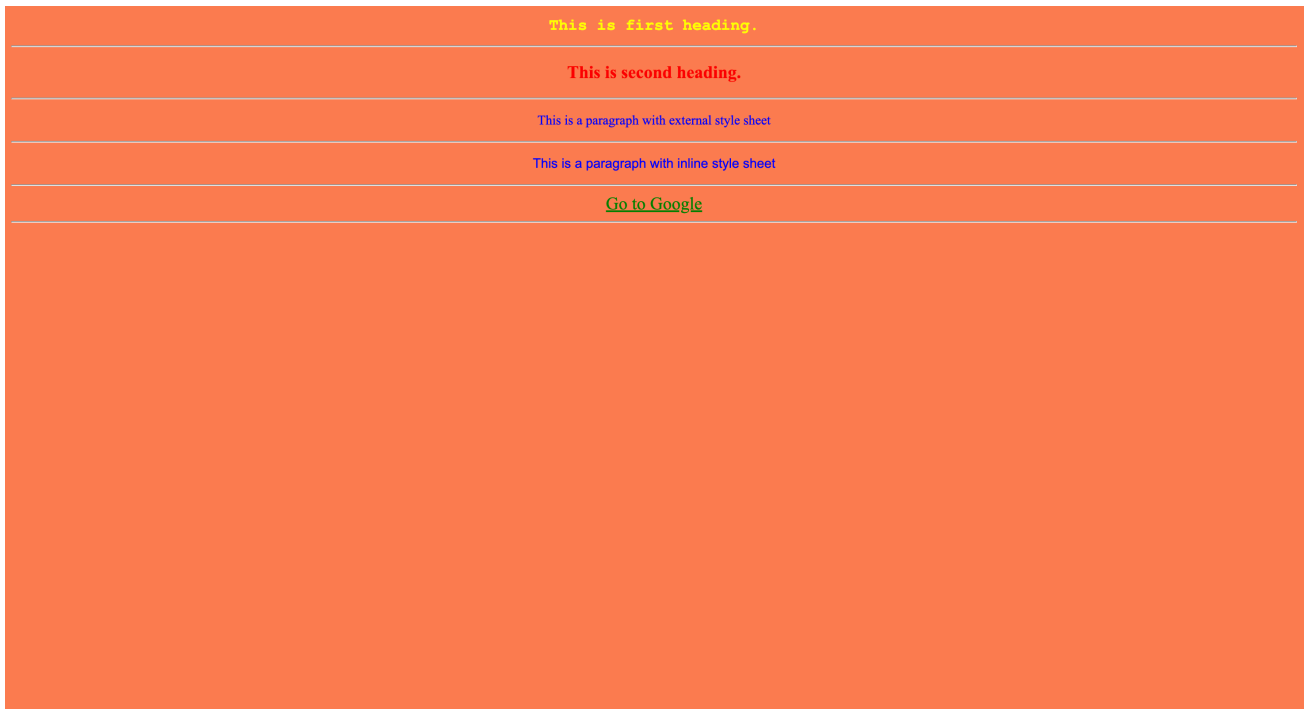
Code:

external_css.css code-

```css
h2 {
  color: red;
  font-size: 20px;
}

p {
  color: blue;
  font-size: 15px;
}
a {
  color: green;
  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-

```html
<!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: aqua;
        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.google.com" target="_blank">Go to Google</a>
    <hr />
  </body>
</html>
```

Output: (screenshot)

<table>
<tr><td style="text-align:center">This is first heading.</td></tr>
<tr><td style="text-align:center">This is second heading.</td></tr>
<tr><td style="text-align:center">This is a paragraph with external style sheet</td></tr>
<tr><td style="text-align:center">This is a paragraph with inline style sheet</td></tr>
<tr><td style="text-align:center">Go to Google</td></tr>
</table>

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.