

Batch: E-2 Roll No.: 16010123325

Experiment No. 02

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of the Staff In-charge with date

TITLE: Develop and demonstrate the usage of inline, internal and external style sheet using CSS

AIM: To demonstrate the CSS.

Expected Outcome of Experiment: Use CSS to prepare the layout of web pages.

Books/ Journals/ Websites referred:

1. <https://www.w3schools.com/css/>
-

CSS :

Internal CSS

```
<style>
  body {
    font-family: 'Poppins', sans-serif;
    margin: 0;
    padding: 0;
    box-sizing: border-box;
  }
  .container {
    width: 80%;
    margin: 0 auto;
  }
  header {
    background-color: #333;
    color: #fff;
    padding: 1rem 0;
  }
  header h1 {
    margin: 0;
  }
</style>
<button type="submit">Register</button>
</form>
</div>
</section>
</main>
```

External CSS

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: 'Poppins', sans-serif;
  line-height: 1.6;
  color: #333;
  background-color: #f0f4f8;
}

.container {
```

```
width: 90%;
max-width: 1200px;
margin: 0 auto;
padding: 0 20px;
}

header {
  background: #2c3e50;
  padding: 1rem 0;
  position: fixed;
  width: 100%;
  top: 0;
  z-index: 1000;
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
}

header .container {
  display: flex;
  justify-content: space-between;
  align-items: center;
}

header h1 {
  color: #ecf0f1;
  font-size: 2rem;
  font-weight: 600;
}

nav {
  display: flex;
  gap: 1rem;
}

.nav-link {
  color: #ecf0f1;
  text-decoration: none;
  padding: 0.5rem 1rem;
  border-radius: 5px;
  transition: background-color 0.3s ease, color 0.3s ease;
}

.nav-link:hover,
.nav-link.active {
  background-color: #34495e;
```

```
    color: #3498db;
  }

  main {
    padding-top: 5rem;
    min-height: calc(100vh - 5rem - 60px);
  }

  section {
    display: none;
    padding: 4rem 0;
  }

  section.active {
    display: block;
    animation: fadeIn 0.5s ease-in-out;
  }

  @keyframes fadeIn {
    from { opacity: 0; transform: translateY(20px); }
    to { opacity: 1; transform: translateY(0); }
  }

  h2 {
    font-size: 2.5rem;
    margin-bottom: 2rem;
    color: #2c3e50;
    text-align: center;
  }

  .hero {
    background: linear-gradient(135deg, #3498db, #8e44ad);
    color: #fff;
    text-align: center;
    padding: 6rem 2rem;
    border-radius: 10px;
    box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
  }

  .hero h2 {
    font-size: 3rem;
    margin-bottom: 1rem;
    color: #fff;
  }
}
```

```
.hero p {
  font-size: 1.2rem;
  max-width: 600px;
  margin: 0 auto 2rem;
}

.cta-button {
  display: inline-block;
  padding: 0.75rem 1.5rem;
  background-color: #2ecc71;
  color: #fff;
  text-decoration: none;
  border-radius: 30px;
  font-size: 1rem;
  transition: all 0.3s ease;
  border: none;
  cursor: pointer;
}

.cta-button:hover {
  background-color: #27ae60;
  transform: translateY(-3px);
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.2);
}

.table-container {
  background: #fff;
  border-radius: 10px;
  overflow: hidden;
  box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
}

table {
  width: 100%;
  border-collapse: collapse;
}

th, td {
  padding: 1rem;
  text-align: left;
  border-bottom: 1px solid #ecf0f1;
}
```

```
thead {
  background: #34495e;
  color: #ecf0f1;
}

tbody tr:hover {
  background: #f8f9fa;
}

.in-stock {
  color: #2ecc71;
}

.out-of-stock {
  color: #e74c3c;
}

.auth-form {
  max-width: 400px;
  margin: 0 auto;
  background: #fff;
  padding: 2rem;
  border-radius: 10px;
  box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
}

.form-group {
  margin-bottom: 1rem;
}

label {
  display: block;
  margin-bottom: 0.5rem;
  color: #34495e;
}

input[type="text"],
input[type="email"],
input[type="password"] {
  width: 100%;
  padding: 0.75rem;
  border: 1px solid #bdc3c7;
  border-radius: 5px;
  font-size: 1rem;
}
```

```
    transition: border-color 0.3s ease;
}

input[type="text"]:focus,
input[type="email"]:focus,
input[type="password"]:focus {
    outline: none;
    border-color: #3498db;
}

button[type="submit"] {
    width: 100%;
    padding: 0.75rem;
    background: #3498db;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    font-size: 1rem;
    transition: background 0.3s ease;
}

button[type="submit"]:hover {
    background: #2980b9;
}

.checkbox-label {
    display: flex;
    align-items: center;
    user-select: none;
}

.checkbox-label input {
    margin-right: 0.5rem;
}

.form-footer {
    margin-top: 1rem;
    text-align: center;
}

.forgot-password {
    color: #3498db;
    text-decoration: none;
}
```

```
}

.forgot-password:hover {
  text-decoration: underline;
}

footer {
  background: #2c3e50;
  color: #ecf0f1;
  text-align: center;
  padding: 1rem 0;
  position: relative;
  bottom: 0;
  width: 100%;
}

@media (max-width: 768px) {
  header .container {
    flex-direction: column;
    align-items: flex-start;
  }

  nav {
    margin-top: 1rem;
  }

  .hero h2 {
    font-size: 2.5rem;
  }

  .table-container {
    overflow-x: auto;
  }

  table {
    font-size: 0.9rem;
  }
}

@media (max-width: 480px) {
  .hero {
    padding: 4rem 1rem;
  }
}
```



```
.hero h2 {  
  font-size: 2rem;  
}  
  
.auth-form {  
  padding: 1.5rem;  
}
```

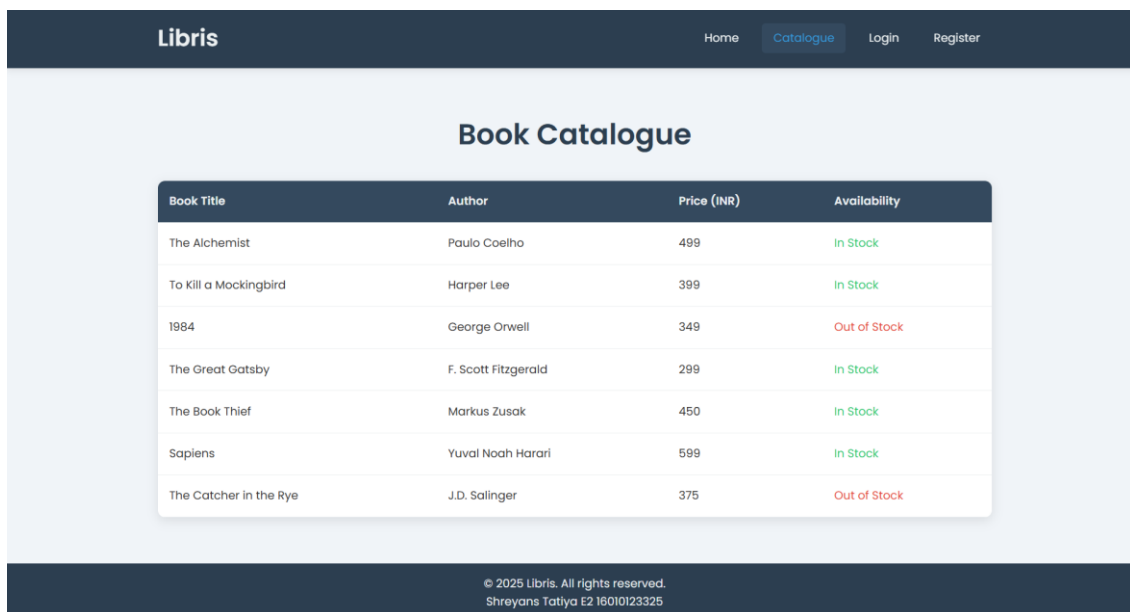
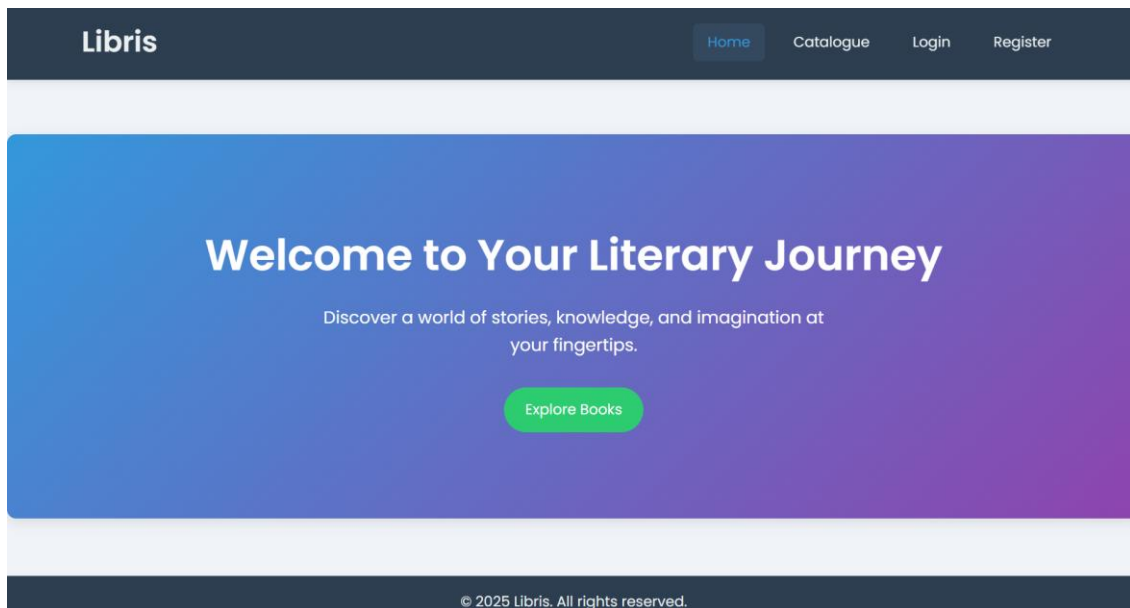
Inline CSS

```
<input type="text" id="register-firstname" name="first_name" required>  
</div>  
<div class="form-group" style="margin-bottom: 1rem;"></div>  
  <label for="register-lastname" style="display: block; margin-bottom: 0.5rem;">Last Name</label>  
  <input type="text" id="register-lastname" name="last_name" required style="width: 100%; padding: 5px;">  
</div>  
<div class="form-group">  
  <label for="register-email">Email</label>  
  <input type="email" id="register-email" name="email" required>  
</div>  
<div class="form-group">  
  <label for="register-password">Password</label>  
  <input type="password" id="register-password" name="password" required>
```

Description of the application implemented with output:

The Book Shop Website is a user-friendly application designed to provide an intuitive experience for users to browse, register, login. It includes the following functionalities:

1. **Home Page**
2. **Login Page**
3. **Catalogue Page**
4. **Registration Page**



Libris[Home](#)[Catalogue](#)[Login](#)[Register](#)

Login

Username

Password

☒ Remember me

Login

[Forgot password?](#)

© 2025 Libris. All rights reserved.
Shreyans Tatiya E2 16010123325

Libris[Home](#)[Catalogue](#)[Login](#)[Register](#)

Register

First Name

Last Name

Email

Password

Confirm Password

Register

© 2025 Libris. All rights reserved.
Shreyans Tatiya E2 16010123325

Post Lab Objective with Answer

- **What is the Box model in CSS?**

The Box Model in CSS describes how HTML elements are rendered in terms of space and layout. Each element is represented as a rectangular box comprising the following layers :

1. **Content:** The area where text, images, or other content appear.
2. **Padding:** Space between the content and the element's border.
3. **Border:** Surrounds the padding; the thickness and style can be set.
4. **Margin:** Space outside the border separating the element from other elements.

- **What are the advantages of using CSS?**

1. **Separation of Content:** Allows separation of content (HTML) and presentation (CSS).
2. **Consistency:** Ensures a uniform design across multiple pages with a single stylesheet.
3. **Reusability:** Styles can be reused across multiple HTML elements and pages.
4. **Flexibility:** Easily adaptable to changes; updating a CSS file reflects across all linked documents.
5. **Responsive Design:** Allows creating layouts that adapt to different devices and screen sizes.

- **What are the limitations of CSS?**

1. **Browser Compatibility:** Styles may render differently in various browsers.
2. **No Logic:** CSS lacks programming constructs like loops, conditions, or variables.
3. **Dependency:** Relies on HTML structure, which can limit flexibility in certain designs.
4. **Over-Specificity:** Excessive use of specific selectors can complicate the styling process.
5. **Limited Interactivity:** Pure CSS is unsuitable for dynamic behavior (like logic-based interactions).

- **What are the different types of Selectors in CSS?**
 1. **Universal Selector (*)**: Targets all elements.
 2. **Type Selector**: Matches specific element tags.
 3. **Class Selector (.classname)**: Matches elements with a specific class.
 4. **ID Selector (#id)**: Matches an element with a specific ID.
 5. **Group Selector**: Applies the same styles to multiple elements.

Date:

Signature of faculty in-charge