Experiment 1: Introduction to HTML & CSS

Overview

This experiment focuses on understanding the basics of HTML (HyperText Markup Language) and CSS (Cascading Style Sheets). HTML is the standard markup language used for creating web pages and describes the structure of the content displayed in a web browser.

Key Concepts

1. **HTML** is the standard markup language for creating web pages.
2. **HTML** stands for **Hyper Text Markup Language**.
3. It defines the structure of a web page and its elements.
4. HTML consists of a series of elements, each telling the browser how to display specific types of content.
5. **HTML elements** are used to label parts of the content, such as:
   - **Headings** (`<h1>` , `<h2>` , etc.)
   - **Paragraphs** (`<p>`)
   - **Links** (`<a>`), and more.

Web Workshop [College LAB]\Exp1\html_page_struct.html

```html
 1  <!DOCTYPE html>
 2  <html>
 3    <head>
 4      <title>HTML Page Structure</title>
 5    </head>
 6
 7    <body>
 8      <h1>This is a Heading</h1>
 9      <p>This is a paragraph.</p>
10      <p>This is another paragraph.</p>
11
12      <h2>This is a Heading</h2>
13      <p>This is a paragraph.</p>
14      <p>This is another paragraph.</p>
15
16      <table>
17        <tr>
18          <th>Header 1</th>
19          <th>Header 2</th>
20        </tr>
21        <tr>
22          <td>row 1, cell 1</td>
23          <td>row 1, cell 2</td>
24        </tr>
25        <tr>
26          <td>row 2, cell 1</td>
27          <td>row 2, cell 2</td>
28        </tr>
29    </body>
30  </html>
31
```

This is a Heading

This is a paragraph.

This is another paragraph.

This is a Heading

This is a paragraph.

This is another paragraph.

Header 1	Header 2
row 1, cell 1	row 1, cell 2
row 2, cell 1	row 2, cell 2

Web Workshop [College LAB]\Exp1\css_internal_example.html

```
 1  <!DOCTYPE html>
 2  <html>
 3  <head>
 4      <title>Resume</title>
 5      <style>
 6          body {
 7              font-family: Arial, sans-serif;
 8              margin: 0;
 9              padding: 0;
10              background-color: #f4f4f4;
11          }
12          .container {
13              width: 80%;
14              margin: 0 auto;
15              background: #fff;
16              padding: 20px;
17              box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
18          }
19          h1, h2, h3 {
20              color: #333;
21          }
22          .header, .section {
23              margin-bottom: 20px;
24          }
25          .header {
26              text-align: center;
27          }
28          .header h1 {
29              margin: 0;
30          }
31          .header img {
32              width: 150px;
33              height: auto;
34              border-radius: 50%;
35              margin-bottom: 10px;
36          }
37          .section h2 {
38              border-bottom: 2px solid #333;
39              padding-bottom: 5px;
40          }
41          .section p {
42              margin: 5px 0;
43          }
44          .contact-info, .education, .experience {
45              margin-bottom: 20px;
46          }
47          .contact-info p, .education p, .experience p {
48              margin: 5px 0;
49          }
50      </style>
51  </head>
52  <body>
53      <div class="container">
54          <div class="header">
55              <img src="my.jpg" alt="Aditya Singh">
56              <h1>Aditya Singh</h1>
57              <p>Student</p>
58          </div>
59          <div class="contact-info section">
60              <h2>Contact Information</h2>
61              <p>Email: adtya882@gmail.com</p>
62              <p>Phone: +91 99999 00000</p>
63              <p>Address: I Block, Alpha 2, Greater Noida</p>
```

```
64          </div>
65          <div class="education section">
66              <h2>Education</h2>
67              <p>Bachelor of Science in Computer Science and Engineering - Artificial
    Intelligence</p>
68              <p>Galgotias College of Engineering and Technology, 2023 - 2027</p>
69          </div>
70          <div class="experience section">
71              <h2>Experience</h2>
72              <p>Web Developer at WebD Lab</p>
73              <p>June 2024 - Present</p>
74              <p>Responsibilities:</p>
75              <ul>
76                  <li>Developed and maintained the webD repo</li>
77                  <li>Collaborated with designers to create user-friendly interfaces</li>
78                  <li>Optimized web applications for maximum speed and scalability</li>
79              </ul>
80          </div>
81      </div>
82  </body>
83  </html>
84
```

Aditya Singh

Student

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Education

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Galgotias College of Engineering and Technology, 2023 - 2027

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