

K. J. Somaiya College of Engineering, Mumbai-77
(A Constituent College of Somaiya Vidyavihar University)

Batch: B4 Roll No.: 16010122828

Experiment No. 02

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

AIM: To demonstrate usage of CSS

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

Books/ Journals/ Websites referred:

1. .

Importance of CSS in designing of a website is to be explained. Explain various ways to use CSS. Also explain how to change background colour of page, adding and editing border types, adding navigation bars, usage of various types of 2D and 3D transformation.

Description of the CSS style code with its effect at output:

html

```
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport"
    content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="cv.css">
</head>

<body>
  <div class="full">
    <div class="left">
      <div class="image">

      </div>
      <div class="Contact">
```

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```

    <h2>Contact</h2>
    <p><b>Email id:</b>rishi@gmail.com</p>
    <p><b>Mobile no :</b>1234567890</p>
  </div>
  <div class="Skills">
    <h2>Skills</h2>
    <ul>
      <li><b>Programming Languages :
        Python, Java, C++</b></li>
      <li><b>Frontend : HTML5, CSS3,
        JavaScript, React</b></li>
      <li><b>Backend : Node.js</b></li>
    </ul>
  </div>
  <div class="Language">
    <h2>Language</h2>
    <ul>
      <li>English</li>
      <li>Hindi</li>
    </ul>
  </div>
  <div class="Hobbies">
    <h2>Hobbies</h2>
    <ul>
      <li>Playing cricket</li>
      <li>Swimming</li>
    </ul>
  </div>
</div>
<div class="right">
  <div class="name">
    <h1>Rishabh Chidurala</h1>
  </div>
  <div class="title">
    <p>Web Developer</p>
  </div>
  <div class="Summary">
    <h2>Summary</h2>
    <p>To secure a challenging position in a
      reputable organization
      to expand my learning knowledge and skill
    </p>
  </div>
  <div class="Experience">
    <h2>Experience</h2>
    <h3>Abc webdev pvt ltd - Senior Web Developer</h3>
    <p>January 2022 to Present</p>
    <ul>
      <li>Actively engaged in web creative

```

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```

    design and development.</li>
    <li>Designing project & planning</li>
  </ul>
<h3>Xyz webdev pvt ltd - junior web developer</h3>
<p>August 2021 to December 2021</p>
<ul>
  <li>Actively engaged in web creative
    design and development.</li>
  <li>Designing project & planning</li>
  <li>Working on designing</li>
</ul>
</div>
<div class="Education">
  <h2>Education</h2>
  <table>
    <tr>
      <th>University/college </th>
      <th>Passing year </th>
      <th>percentage/cgpa</th>
    </tr>
    <tr>
      <td>xyz</td>
      <td>2020</td>
      <td>8.9</td>
    </tr>
    <tr>
      <td>pqr</td>
      <td>2018</td>
      <td>89%</td>
    </tr>
  </table>
</div>
<div class="project">
  <ul>
    <li>
      <h2>Project1</h2>
      <p>This project is based on html
        & used React</p>
    </li>
    <li>
      <h2>Project2</h2>
      <p>This project is based on html
        & used React</p>
    </li>
  </ul>
</div>
</div>
</body>

```

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```
</html>
```

CSS

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    background-color: rgb(253, 254, 255);
    display: flex;
    justify-content: center;
    align-items: center;
}
.full {
    width: 50%;
    max-width: 1000px;
    min-height: 100px;
    background-color: rgb(245, 239, 231);
    margin: 0px;
    display: grid;
    grid-template-columns: 2fr 4fr;
}
.left {
    position: initial;
    background-color: rgb(126, 219, 231);
    padding: 20px;
}
.right {
    position: initial;
    background-color: rgb(162, 202, 206);
    padding: 20px;
}
.image, .Contact, .Skills, .Language, .Hobbies, .title,
.Summary, .Experience, .Education, .project {
    margin-bottom: 30px;
}
.h2 {
    background-color: rgb(4, 96, 150);
}
```

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Output

127.0.0.1:5500/cv.html

Contact

Email id: rishi@gmail.com
Mobile no : 1234567890

Skills

- **Programming Languages :** Python, Java, C++
- **Frontend :** HTML5, CSS3, JavaScript, React
- **Backend :** Node.js

Language

- English
- Hindi

Hobbies

- Playing cricket
- Swimming

Rishabh Chidurala

Web Developer

Summary

To secure a challenging position in a reputable organization to expand my learning knowledge and skill

Experience

Abc webdev pvt ltd - Senior Web Developer
January 2022 to Present

- Actively engaged in web creative design and development.
- Designing project & planning

Xyz webdev pvt ltd - junior web developer
August 2021 to December 2021

- Actively engaged in web creative design and development.
- Designing project & planning
- Working on designing

Education

University/college	Passing year	percentage/cgpa
xyz	2020	8.9
pqr	2018	89%

- **Project1**
This project is based on html & used React
- **Project2**
This project is based on html & used React

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Post Lab Objective with Ans (Min 5):

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

The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content.

Content - The content of the box, where text and images appear

Padding - Clears an area around the content. The padding is transparent

Border - A border that goes around the padding and content

Margin - Clears an area outside the border. The margin is transparent

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

1. Better Website Speed i.e faster load time
2. Makes webpage easier to maintain
3. CSS enables developers to ensure the style elements are applied consistently across several web pages.
4. Due to faster speed and easier maintenance, CSS saves a lot of time and effort in the web development process due to faster loading time. Here, lesser time ensures designer efficiency.
5. Better Device Compatibility
6. You can change the position of an HTML tag with the help of CSS. You can place the elements like an image on any part of the webpage as and when required.

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

1. CSS cannot perform any logical operations like if/else or for/while or +/-.
2. We cannot read any files using CSS.
3. It cannot interact with databases.
4. CSS cannot request a web page.

- **What are the different types of Selectors in CSS?**

1. Simple selectors (select elements based on name, id, class)
2. Combinator selectors (select elements based on a specific relationship between them)
3. Pseudo-class selectors (select elements based on a certain state)
4. Pseudo-elements selectors (select and style a part of an element)
5. Attribute selectors (select elements based on an attribute or attribute value)