

Web Technologies Laboratory

SUBMITTED IN PARTIAL FULLFILLMENT OF THE REQUIREMENTS FOR THE
AWARD

OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

(Information Technology)



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(An Autonomous College Under UGC ACT)

1. Create a simple web page by writing HTML using a simple text editor, Notepad. Demonstrate the following components of the web page: Page titles and Headings Paragraphs and Inline images

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>My Simple Webpage</title>
</head>
<body>
  <h1>Welcome to My Simple Webpage</h1>

  <h2>About Me</h2>
  <p>
    Hello! My name is John Doe. I am a web developer
learning HTML.
  </p>

  <h2>My Hobbies</h2>
  <p>
    I enjoy spending my free time on various hobbies
including reading, hiking, and photography.
  </p>

  <h2>My Favorite Image</h2>
  <p>
    Here is an inline image of a beautiful landscape:
  </p>
  
</body>
</html>
```

Output:-

Welcome to My Simple Webpage

About Me

Hello! My name is John Doe. I am a web developer learning HTML.

My Hobbies

I enjoy spending my free time on various hobbies including reading, hiking, and photography.

My Favorite Image

Here is an inline image of a beautiful landscape:



2. Demonstrate the use of Links, Lists and Tables in HTML. You should be able to link separate pages and create named links within a document, using them to build a “table of contents”.

Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Table of Contents</title>
</head>
<body>
  <h1>Table of Contents</h1>

  <h2>Contents:</h2>
  <ol>
    <li><a href="#section1">Introduction</a></li>
    <li><a href="#section2">Main Content</a></li>
    <li><a href="#section3">Conclusion</a></li>
```

```

</ol>

<h2 id="section1">1. Introduction</h2>
<p>
    This is the introduction section.
</p>

<h2 id="section2">2. Main Content</h2>
<p>
    This is the main content section.
</p>

<h2 id="section3">3. Conclusion</h2>
<p>
    This is the conclusion section.
</p>

<h2>References</h2>
<table border="1">
    <thead>
        <tr>
            <th>Topic</th>
            <th>Link</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>HTML Basics</td>
            <td><a href="html_basics.html">Click
Here</a></td>
        </tr>
        <tr>
            <td>CSS Fundamentals</td>
            <td><a href="css_fundamentals.html">Click
Here</a></td>
        </tr>
    </tbody>
</table>

```

```

        <tr>
            <td>JavaScript Essentials</td>
            <td><a href="js_essentials.html">Click
Here</a></td>
        </tr>
    </tbody>
</table>
</body>
</html>

```

Output:-

Table of Contents

Contents:

1. [Introduction](#)
2. [Main Content](#)
3. [Conclusion](#)

1. Introduction

This is the introduction section.

2. Main Content

This is the main content section.

3. Conclusion

This is the conclusion section.

References

Topic	Link
HTML Basics	Click Here
CSS Fundamentals	Click Here
JavaScript Essentials	Click Here

3. Create simple Forms in HTML and demonstrate the use of various form elements like input box, textarea, submit and radio buttons etc.

Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Simple HTML Form</title>
</head>
<body>
  <h1>Simple HTML Form</h1>

  <form action="#" method="post">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name"
required><br><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email"
required><br><br>

    <label for="message">Message:</label><br>
    <textarea id="message" name="message" rows="4"
cols="50" required></textarea><br><br>

    <label for="gender">Gender:</label><br>
    <input type="radio" id="male" name="gender"
value="male" required>
    <label for="male">Male</label><br>
    <input type="radio" id="female" name="gender"
value="female">
    <label for="female">Female</label><br><br>
```

```

<label for="age">Age:</label>
<select id="age" name="age" required>
  <option value="">Select...</option>
  <option value="under18">Under 18</option>
  <option value="18to30">18 to 30</option>
  <option value="31to50">31 to 50</option>
  <option value="over50">Over 50</option>
</select><br><br>

<input type="checkbox" id="subscribe" name="subscribe"
checked>
  <label for="subscribe">Subscribe to our
newsletter</label><br><br>

  <input type="submit" value="Submit">
</form>
</body>
</html>

```

Output:-

Simple HTML Form

Name:

Email:

Message:

Gender:

- ☐ Male
☐ Female

Age:

☒ Subscribe to our newsletter

4. Demonstrate the use of cascading style sheets (CSS) (inline, internal and external) to specify various aspects of style, such as colours and text fonts and sizes, in HTML document.

Code:-

- Inline CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Inline CSS Example</title>
</head>
<body>
  <h1 style="color: blue; font-family: Arial, sans-serif;
font-size: 24px;">Heading with Inline CSS</h1>
  <p style="color: green; font-family: 'Times New Roman',
serif; font-size: 18px;">Paragraph with Inline CSS</p>
</body>
</html>
```

Output:-

Heading with Inline CSS

Paragraph with Inline CSS

- Internal CSS

Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
```



```

    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Internal CSS Demo</title>

    <!-- Internal CSS -->
    <style>
        h1 {
            color: blue;
            font-family: Arial, sans-serif;
            font-size: 24px;
        }

        p {
            color: green;
            font-family: 'Times New Roman', serif;
            font-size: 18px;
        }
    </style>
</head>
<body>
    <h1>Internal CSS Example</h1>

    <p>This paragraph demonstrates internal CSS.</p>
</body>
</html>

```

Output:-

Internal CSS Example

This paragraph demonstrates internal CSS.

- External CSS

Code:-

```

<!DOCTYPE html>
<html lang="en">
<head>

```

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>External CSS Demo</title>
<link rel="stylesheet" href="./style4c.css"

</head>
<body>
  <h1>External CSS Example</h1>

  <p>This paragraph demonstrates external CSS.</p>
</body>
</html>
```

Style.css

```
h1 {
  color: blue;
  font-family: Arial, sans-serif;
  font-size: 24px;
}

p {
  color: green;
  font-family: 'Times New Roman', serif;
  font-size: 18px;
}
```

Output:-

External CSS Example

This paragraph demonstrates external CSS.
