LAB MANUAL

Subject : Web Designing
Code : BCA-210

Department of Computer Science Engineering
RPS College of Engineering and Technology
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INSTRUCTIONS
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<td>9</td>
<td>Write a program to Create Form in HTML</td>
</tr>
<tr>
<td>10</td>
<td>Write a program to implement Inline, Internal and External CSS.</td>
</tr>
</tbody>
</table>
LAB REQUIREMENTS

HARDWARE REQUIREMENT:

- Processor: Intel Core i3 or equivalent.
- RAM: 8GB or higher recommended.
- Storage: Minimum 256GB SSD for better performance.
- Display: 15-inch monitor or larger for better workspace.
- Graphics Card: Integrated graphics are sufficient.
- External Hard Drive: For backups and additional storage.
- Internet connectivity.
- Operating System: Windows 10

SOFTWARE REQUIREMENT:

- Web Development Tools: Text Editor, Version Control
  Integrated Development Environment (IDE)
- Web Browsers
- FTP Client for transferring files to web servers.
PROGRAM 1: Define the basic Structure of HTML.

ALGORITHM:

1. Start by defining the document type declaration (`<!DOCTYPE html>`).
2. Create the `<html>` element, which contains the entire HTML document.
3. Inside the `<html>` element, create the `<head>` element.
4. Inside the `<head>` element, add metadata such as the `<title>` of the document and any `<meta>` tags for specifying character encoding or other information.
5. Outside of the `<head>` element, create the `<body>` element.
6. Inside the `<body>` element, add the main content of your webpage, including text, images, links,

CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>My HTML Page</title>
</head>
<body>
    <p>This is a basic HTML page.</p>
</body>
</html>
```

OUTPUT 1:

This is a basic HTML page.
PROGRAM 2: Implement the Heading Element in HTML.

ALGORITHM:

1. Start: Start the algorithm.
2. Define the Heading Level: Decide on the level of the heading you want to use (h1, h2, h3, ..., h6).
3. Open Tag: Write the opening tag for the heading element with the chosen level (e.g., <h1>, <h2>, etc.).
4. Content: Write the content or text that you want to display as the heading.
5. Close Tag: Write the closing tag for the heading element (e.g., </h1>, </h2>, etc.).

CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Heading Tags Example</title>
</head>
<body>
    <h1>This is Heading 1</h1>
    <h2>This is Heading 2</h2>
    <h3>This is Heading 3</h3>
    <h4>This is Heading 4</h4>
    <h5>This is Heading 5</h5>
    <h6>This is Heading 6</h6>
</body>
</html>
```
OUTPUT 2 :

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6
PROGRAM 3 : Write a program to insert image in HTML.

ALGORITHM :

- **Prepare the Image**: Make sure you have the image file you want to insert into your HTML document saved in an accessible location on your computer or server.

- **Open an HTML File**: If you don't already have an HTML file, create one using a text editor like Notepad or any code editor of your choice. Save it with a `.html` extension.

- **Write the HTML Structure**: To insert an image into an HTML document, you can use the `<img>` tag. Here's a simple algorithm to guide you through the process:

**Prepare the Image**: Make sure you have the image file you want to insert into your HTML document saved in an accessible location on your computer or server.

**Open an HTML File**: If you don't already have an HTML file, create one using a text editor like Notepad or any code editor of your choice. Save it with a `.html` extension.

**Write the HTML Structure**

**Insert the Image**: Within the `<body>` tags, insert the `<img>` tag where you want the image to appear. The `<img>` tag requires two essential attributes: `src` and `alt`.

**CODE 2:**

```html
<!DOCTYPE html>
<html>
<body>
<h2>HTML Image</h2>
</body>
</html>
```
<img src="pic_trulli.jpg" alt="Trulli" width="500" height="333">

</body>

</html>

OUTPUT 3:
PROGRAM 4 : Write a program for changing Background color in html.

CODE :

<html>
<body style="background-color:powderblue;">
<h1>This is a heading</h1>
<p>This is a paragraph.</p>
</body>
</html>

OUTPUT 4:

This is a heading

This is a paragraph.
PROGRAM 5 : Write a program to implement hyperlink in html file.

CODE :

<html>
<body>
<h2>Absolute URLs</h2>
<p><a href="https://www.w3.org/">W3C</a></p>
<p><a href="https://www.google.com/">Google</a></p>
<h2>Relative URLs</h2>
<p><a href="html_images.asp">HTML Images</a></p>
<p><a href="/css/default.asp">CSS Tutorial</a></p>
</body>
</html>

OUTPUT 5:

Absolute URLs

W3C
Google
HTML Image
CSS Tutorial
PROGRAM 6 : Write a program to Create a Table in HTML.

CODE:

<html>

<style>
  table, th, td {
    border:1px solid black;
  }
</style>

<body>

<h2>A basic HTML table</h2>

<table style="width:100%">
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
  <tr>
    <td>Centro comercial Moctezuma</td>
    <td>Francisco Chang</td>
    <td>Mexico</td>
  </tr>
</table>

</body>

</html>
To understand the example better, we have added borders to the table.

A basic HTML table

<table>
<thead>
<tr>
<th>Company</th>
<th>Contact</th>
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</tr>
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</table>

To understand the example better, we have added borders to the table.
PROGRAM 7: Write a program to implement Lists in HTML.

CODE:

<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>List Example</title>
</head>
<body>
<h2>Unordered List:</h2>
<ul>
<li>Item 1</li>
<li>Item 2</li>
<li>Item 3</li>
</ul>
<h2>Ordered List:</h2>
<ol>
<li>Item 1</li>
<li>Item 2</li>
<li>Item 3</li>
</ol>
</body>
</html>
OUTPUT 7:

Unordered List:

- Item 1
- Item 2
- Item 3

Ordered List:

1. Item 1
2. Item 2
3. Item 3
**PROGRAM 8** : How to implement Frameset in HTML.

**CODE** :

```html
<html>
<head>
    <title>Scaler Topics</title>
</head>

<frameset cols="40%,60%">
    <frame src="https://www.scaler.com/topics/iframes/">
    <noframes>
        <body>The browser you are working does not support frames.</body>
    </noframes>
</frameset>

</html>
```

**OUTPUT 8:**
PROGRAM 9 : Write a program to Create Form in HTML

CODE :

1. <Html>
2. <Head>
3. <Title>
4. Create a Registration form
5. </Title>
6. </Head>
7. <Body>
8. The following tags are used in this Html code for creating the Registration form:
9. <br>
10.  <form>
11.   <label> Firstname </label>
12.   <input type="text" name="firstname" size="15"/> <br> <br>
13.   <label> Lastname: </label>
14.   <input type="text" name="lastname" size="15"/> <br> <br>
15.   <label> Course: </label>
16.   </label>
17. </select>
18. <br>
<br><br>

**Gender:**

- Male
- Female
- Other

**Hobbies:**

- Programming
- Cricket
- Football
- Reading Novel

**Phone:**

```
<input type="text" name="phone" size="10" />
```

**Address:**

```
<textarea cols="80" rows="5" value="address"> </textarea>
```
Email: 
<input type="email" id="email" name="email"> 
<br>
<br>
Password: 
<input type="password" id="pass" name="pass"> 
<br>
<br>
<input type="submit" value="Submit"> 
<input type="reset" value="Reset"> 
</form>
</Body>
</Html>
PROGRAM 10: Write a program to implement Inline, Internal and External CSS.

CODE:

<html>
<head>
<title>CSS Example</title>

<!-- Internal CSS -->
<style>
/* Internal CSS */

h1 {
    color: blue;
}

p {
    font-size: 16px;
}
</style>

<!-- External CSS -->
<link rel="stylesheet" type="text/css" href="styles.css">
</head>

<body>

<!-- Inline CSS -->
<h1 style="font-family: Arial, sans-serif;">Inline CSS Example</h1>
<p style="color: green;">This is a paragraph with inline CSS.</p>

<!-- Internal CSS -->
<h1>Internal CSS Example</h1>
<p>This is a paragraph with internal CSS.</p>

<!-- External CSS -->

<h1 class="external">External CSS Example</h1>
<p class="external">This is a paragraph with external CSS.</p>

</body>
</html>

OUTPUT 10:

**Inline CSS Example**
This is a paragraph with inline CSS.

**Internal CSS Example**
This is a paragraph with internal CSS.

**External CSS Example**
This is a paragraph with external CSS.