**Program-1**

**Aim: - Introduction to basic HTML elements.**

**Tools:** Notepad Editor and Web Browser like Internet Explorer or Mozilla Firefox.

**Standard Procedure for Creating and View an HTML document?**

 Use a text editor such as Notepad to write the document.

 Save the file as filename.html on a PC. This is called the Document Source.

 Open the file that you have saved in any browser Off-Line.

 Your HTML page should now appear just like any other Web page in browser.

 You may now switch back and forth between the Source and the HTML

 Document

 switch to Notepad with the Document Source

 make changes .

 save the document again.

 switch back to browser .

 click on RELOAD and view the new HTML Document .

 switch to Notepad with the Document Source.

**THEORY:**

**1. What is HTML?**

 A series of tags that are integrated into a text document.

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 These look like: <code>formatted text</code> o <code> begins the formatting tag. o </code> ends the formatting tag.

 These tags are then read by a Browser, which translates the tags into the formatting that they represent

**2. What are Tags?**

 HTML tags are used to mark-up HTML elements.

 HTML tags are surrounded by the two characters < and >.

 The surrounding characters are called angle brackets .

 HTML tags normally come in pairs like <b> and </b>.

 The first tag in a pair is the start tag; the second tag is the end tag.

 The text between the start and end tags is the element content.

 HTML tags are not case sensitive; <b> means the same as <B>.

**3. Structure Tags In HTML**

**HTML Tag**

**<HTML></HTML>**

These tags begin and end an HTML document.

**HEAD Tag**

<HEAD></HEAD>

These tags are in the beginning of the document. Important information is stored in- between these tags including: title, meta-data, styles, and programming scripts

**TITLE Tag**

<TITLE></TITLE>

These tags are in-between the HEAD tags and contain the text that appears in the title of the Web page.

**BODY Tag**

<BODY></BODY>

As you may have guessed, the BODY tags contain all the text in the body of the document.

**4. Block Level tags**

**4.1 HTML Headings –**

Headings are defined with the<h1> to<h6> tags.

Where <h1> -Defines the largest headings.

<h6> -Defines the smallest headings.

**4.2HTML Paragraphs -**

Paragraphs are defined with the<p> tag.

**4.3 HTML Line Breaks -**

Use the <br/> tag if you want a line break (a new line) without starting a new paragraph.

**4.4 Horizontal Rule**

The <hr> element is used for horizontal rules that act as dividers between sections

|  |  |
| --- | --- |
| **5. HTML Text Formatting Tags Tag** | **Description** |
| **<b>** | **Defines bold Text** |
| **<big>** | **Defines big text.** |
| **<em>** | **Defines emphasized text** |
| **<i>** | **Defines Italic text** |
| **<small>** | **Defines italic text.** |
| **<strong>** | **Defines Strong text** |
| **<sub>** | **Defines subscripted text** |
| **<sup>** | **Defines superscripted text** |
| **<ins>** | **Defines inserted text** |
| **<del>** | **Defines deleted text** |

**Program-2**

**Aim: - Design a timetable and display it in tabular format.**

**Tools:** Notepad Editor and Web Browser like Internet Explorer or Mozilla Firefox.

**THEORY:**

**HTML Tables:**

• Tables are defined with the <table> tag.

• A table is divided into rows (with the <tr> tag),

• Each row is divided into data cells (with the <td> tag).

• td stands for "table data," and holds the content of a data cell.

• A <td> tag can contain text, links, images, lists, forms, other tables, etc.

**HTML Tables and the Border Attribute**

If you do not specify a border attribute, the table will be displayed without borders. Sometimes this can be useful, but most of the time, we want the borders to show.

**To Create Table Header**

<html>

<body>

<h4>Table headers:</h4>

<table border="1">

<tr>

<th>Name</th>

<th>Telephone</th>

<th>Telephone</th>

</tr>

<tr>

<td>Bill Gates</td>

<td>555 77 854</td>

<td>555 77 855</td>

</tr>

</table>

</body>

</html>

Output

**How to add a caption to a table.**

**<Caption>Monthly savings</caption>**

**Table Cells then spans more than one row/column**

For Example-

<html>

<body>

<h4>Cell that spans two columns:</h4>

<table border="1">

<tr>

<th>Name</th>

<th colspan="2">Telephone</th>

</tr>

<tr>

<td>Bill Gates</td>

<td>555 77 854</td>

<td>555 77 855</td>

</tr>

</table>

<h4>Cell that spans two rows:</h4>

<table border="1">

<tr> <th>First Name:</th>

<td>Bill Gates</td>

</tr>

<tr>

<th rowspan="2">Telephone:</th>

<td>555 77 854</td>

</tr>

<tr>

<td>555 77 855

</td>

</tr>

</table>

</body>

</html>

**Output-**

