**IMPLEMENTATION OF HTML TAGS AND CSS BASICS.**

**OBJECTIVE**

To implement and familiarize with HTML tags and CSS basics.

**THEORY**

**HTML**

HTML stands for Hyper Text Markup Language. It contains various elements, tags and attributes. An HTML element usually consists of a start tag and an end tag, with the content inserted in between:

<tagname>Content…</tagname>

An HTML tags are used to mark up the start and end of an HTML element. A start tag consists of an opening angle bracket (<) followed by element name, attributes and closing angle bracket (>). Some tags are <p>, <ol>, <br> etc.

An HTML attributes are the additional information about an element. Some attributes are alt, src, name etc

**CSS**

CSS stands for Cascading Style Sheet. It describes how HTML elements are to be displayed on browser. There are 3 types of CSS, they are:

* Inline – by using the style attribute in HTML elements
* Internal – by using a <style> element in the <head> section.
* External – by using an external CSS file

We use external CSS as it is can change entire look of web site by changing one file.

**ACTIVITIES**

In this html designing, we include <head>, <body> tags inside <html> tag. Inside <head> tag, we include<title> and <link>. <link> contains the source location of the CSS file that change the displaying format of html on browser. We use some <header>, <section>, <footer> tags inside <body> tag. We list all header information in <header> section. Similarly, content of website are include in <section> and footer are include in <footer>.

CSS file contains all the necessary style for html. Necessary padding, color correction, decoration of various content of header, footer, section are done using CSS.

**CODE**

**HTML code:**

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="style.css">

<title>Bijay Shrestha</title>

</head>

<body>

<header>

<p>This is header with background color green</p>

</header>

<section>

<H2>Welcome To my World!</H2>

<p><b>Hello</b> there, This is my exercise <sub>1</sub> of <mark>Html</mark> and <mark>Css</mark> and I have a <sup>future</sup> plan to be a <del>Designer</del> <strong>Developer</strong></p>

<h3>Latest News Block</h3>

<ul class="news-block">

<li><a href="#">First News Item</a></li>

<li><a href="#">Second News Item</a></li>

<li><a href="#">Third News Item</a></li>

<li><a href="#">Fourth News Item</a></li>

</ul>

<table class="std-info">

<tr>

<th>Name</th>

<th>Address</th>

<th>Phone</th>

<th>Email</th>

</tr>

<tr>

<td>Bijay</td>

<td>Kusunti</td>

<td>9823342792</td>

<td>bijayshrestha@gmail.com</td>

</tr>

<tr>

<td>Ram</td>

<td>Kathmandu</td>

<td>9834581077</td>

<td>ramramram@gmail.com</td>

</tr>

</table>

</section>

<footer>

&copy; This is footer.

</footer>

</body>

</html>

**CSS code:**

body{ margin: 0;}

header{

padding: 3%;

background-color: green;

margin-bottom: 2px;

}

header p{

text-align: center;

font-size: 20px;

}

mark { background-color: brown; }

section{

background-color: gray;

padding: 2%;

}

section h2{

text-align: center;

text-decoration: underline;

}

.news-block li{ list-style: lower-greek; }

.news-block li a{

color: green;

text-decoration: none;

}

.std-info, .std-info tr, .std-info td, .std-info th{

border: 2px solid green;

border-collapse: collapse;

padding: 5px;

}

footer{

padding: 3%;

background-color: green;

margin-top: 2px;

text-align: center;

font-size: 2rem;

}

**SUMMARY/PROBLEM FACED**

We were able to create web page using html tags, attributes and elements and manage the content using CSS. A simple static webpage is created which has HTML 5 elements such as header, section, footer. We also uses the tags such as pre, sub, sup, mark, b, strong, I, u, del etc.

The main problem faced during the execution of this web page was to link CSS file with html. It was also very difficult to guess the padding.

**LAB INSTRUCTOR COMMENTS**