Assignment

**1. write a simple program in HTML that displays the heading "I am happy to Learn Web Development" on the web browser.**

<!DOCTYPE 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">

<title>Document</title>

</head>

<body>

<h1>"I am happy to Learn Web Development"</h1>

</body>

</html>

**2. write a simple program in HTML, the webpage must contain the heading "comments" and below the heading add some information about comments.**

<!DOCTYPE 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">

<title>Document</title>

</head>

<body>

<h3>Comments</h3>

<p>In computer programming, a comment is a programmer-readable explanation or annotation in the source code of a computer program. They are added with the purpose of making the source code easier for humans to understand,and are generally ignored by compilers and interpreters.</p>

</body>

</html>

**3. Write a short note on tags, elements, and attributes along with examples.**

**Tags-** Tags are used to define elements in an HTML document.

It is surrounded by angle brackets,< and >.

Example- <HTML>,<HEAD>,etc.

**Elements-** Elements is everything from start tag to end tag. Elements

represents most basic components of a HTML document.

Example- <div>content</div>

**Attributes**- Attributes provide additional information about

elements. Attributes are always specified in the start tag.

Example- <a href=”.........”> </a>

**4. List out any 3 tags we learned in this module and give a brief explanation about the tags.**

(**i) Heading tag-** It is used to separate headings and subheadings on a webpage. They rank in order of importance from H1 to H6. Header tags improve the readability and SEO of a webpage.

(**ii) Paragraph tag-** The <p> tag defines a paragraph. Browsers automatically add a single blank line before and after each <p> element.

**(iii) Div tag-** The <div> tag defines a division or a section in an HTML document. The <div> tag is used as a container for HTML elements, which is then styled with CSS or manipulated with JavaScript. The <div> tag is easily styled by using the class or id attribute.

**5. What is emmet? List some of the advantages emmet offer?**

Emmet is a shorthand abbreviation syntax. It helps us to write code faster.

Advantages of emmet are-

* Save a lot of time.
* Increase productivity.
* Efficient Programming.

**7. Using in brief about the nesting operators in emmet.**

Nesting operator in emmet is used to code faster. Some of the nesting operators used in emmet are-

i.Child >

Example- div>a>h1{Link}

<div>

<a>

<h1>Link</h1>

</a>

</div>

ii.Sibling +

Example- header + footer

<header></header>

<footer></footer>

iii.Multiplication \*

Example- ul>li\*3

<ul>

<li></li>

<li></li>

<li></li>

</ul>

**8. Build a simple webpage using any 2 emmet abbreviations and above the elements the emmet abbreviation using HTML comments.**

<!-- h2{List of fruits}ul>li\*4 -->

<h2>List of fruits</h2>

<ul>

<li>Mango</li>

<li>Orange</li>

<li>Banana</li>

<li>papaya</li>

</ul>

**9. What are self-closing tags? Write a brief note on meta tags.**

A self-closing tag in HTML is a kind of HTML tag that does not need to be closed manually by its closing tag, means it does not have a separate closing tag as </tag>.

Meta tags- It specifies the character encoding for a webpage. Meta tags are HTML tags used to provide additional information about a page to search engines and other clients.

**10. What are global attributes? List any 5 global attributes.**

The global attributes are attributes that can be used with all HTML elements.

Some of the global attributes are id,class,style,data-\*,title,etc.