**ASSIGNMENT**

1. <!DOCTYPE html> is it a tag of html? If not, what is it and why do we use it?

* <DOCTYPE html> is not a tag in html, it is known as “**Document Type Declaration**” or “**Document Type Definition**” (DTD).
* It is used to define the type or version of html being used in webpage.
* <DOCTYPE html> declaration is used in html to indicate that the document is written in HTML syntax.
* The purpose of <DOCTYPE html> is to inform the browser about the version of html document, which helps the browser to render the page correctly.
* It helps to ensure better cross-browser compatibility and consistent rendering of webpages across different devices and platforms.

1. Explain Semantic tags in html? And why do we need it?

* Semantic tags in HTML are elements that provide meaning and structure to the content within a webpage.
* Unlike generic tags **“<div>”** and **“<span>”**. Semantic tags describe the purpose and role of the content they wrap.
* They help both humans and search engines to understand the significance of different sections of a webpage.

Here are some examples of semantic tags introduced in HTML5: -

**<header>,<nav>, <main>,<article>,<section>,<aside>, <footer>**

In summary, semantic tags in HTML add meaning and structure to webpage content improving accessibility, search engine optimization and forward compatibility.

1. Differentiate between HTML Tags and Elements?

**Tags –** Tags are fundamental building blocks of HTML syntax. They are used to define the structure and appearance of elements within HTML document. Tags are represented by angle brackets **“<”** and **“>”** and usually comes in pairs with an opening tag and closing tag.

Ex-

**<p> ………. </p>** is an example of tag. **<p>** is the known as opening tag and **</p>** is known as closing tag.

It is important to note that some tags are void or empty don’t having closing tag and are self-closed with forward slash **( ‘/ ‘)** before the closing angle bracket of the opening tag for example,

<img src=”image.png” alt=”image” />, <br/> and <hr/> etc.

**Elements –** Elements are composed of tags, along with the content or other element they enclose. An element consists of an opening tag with content and a closing tag. The opening tag marks the beginning of the element and closing tag marks the end of the element. The content be text or other elements or a combination of both.

Ex –

**<p> This is paragraph</p>** as a whole is an example of element where **<p>** is opening tag **“This is paragraph”** is content and **</p>** is closing tag.

1. Build Your Resume using HTML only.