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Assignment Questions 1

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

Ans:- <!DOCTYPE html> is not a tag in HTML. It is a **document type declaration** (DTD) that tells the browser what version of HTML the document is written in.

**Q.2** Explain Semantic tags in html? And why do we need it?

Ans:- Semantic tags are important for a number of reasons. First, they make it easier for browsers to understand the content of a web page.

Second, semantic tags can help search engines to index the content of a web page.

Third, semantic tags can help to improve the accessibility of a web page.

Semantic tags are important for a number of reasons. Here are some of the most important reasons why we need semantic tags:

1. **Improved SEO**
2. **Better accessibility**
3. **Better readability**
4. **More consistent markup**

**Q.3** Differentiate between HTML Tags and Elements?

Ans:- **HTML tags** are the basic building blocks of HTML. They are used to define the structure of a web page. Tags are always enclosed in angle brackets (<>). For example, the <p> tag is used to define a paragraph.

**HTML elements** are the content that is enclosed by HTML tags. For example, the content of a paragraph is enclosed by the <p> tag. Elements can be text, images, videos, or other types of content.

**Q.4** Build Your Resume using HTML only

Ans:- <https://github.com/jagtapnimisha2/htmlResume>

**Q.5** Write HTML code so that it looks like the below image

Ans:- <https://github.com/jagtapnimisha2/form>

**Q.6** What are some of the advantages of HTML5 over its previous versions?

1) **Improved semantics:** HTML5 introduces a number of new semantic elements such as `<header>`,`<footer>`,`<nav>`,`<article>`,and more.

2) **Support for multimedia:** HTML5 introduces a number of new tags for embedding multimedia content, such as audio, video, and canvas.

3) **Offline support:** HTML5 introduces the <applicationCache> element, which allows web pages to be stored on the user's device for offline viewing

4) **Better performance:** HTML5 is designed to be more efficient than previous versions of HTML.

5) **Increased accessibility:** HTML5 includes a number of features that make it easier for people with disabilities to use web pages.

**Q.7** Create a simple Music player using html only

Ans:- <https://github.com/jagtapnimisha2/SimpleMusicPlayer>

**Q.8** What is the difference between <figure> tag and <img> tag?

Ans:- The <figure> tag is a container tag that can be used to group related content, such as an image, a caption, and a description.

The <img> tag is used to embed the image, and the <figcaption> tag is used to provide a caption for the image.

**Q.9** What’s the difference between html tag and attribute and give example of some global attributes?

Ans:- **HTML tags** are the basic building blocks of HTML. They are used to define the structure of a web page. Tags are always enclosed in angle brackets (<>).

**HTML attributes** are additional pieces of information that can be added to HTML tags. Attributes are always specified within the tag, after the tag name, and are separated from the tag name by a space.