**Q.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, it is an html deceleration ,The DOCKTYPE deceleration ja an instruction to the web browser about what version of html page is written in.

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

Semantic tags in HTML are specific HTML elements that provide meaning and structure to the content of a webpage.

The semantic HTML tags help the search engines and other user devices to determine the importance and context of web pages. The pages made with semantic elements are much easier to read.

Examples of Semantic tags in html

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>
* <mark>
* <nav>
* <section>
* <summary>
* <time>

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

HTML Tags usually exist in pairs consisting of a starting and an ending tag

Eg. <h> </h>, <div> </div>

HTML Elements contain a starting tag, content, and an ending tag.

Eg. <h1>This is a heading</h1> , <p>This is a paragraph</p>

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

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

Html5 contains easier type of character encoding, where as older version of html contains elaborate types of character encoding

Html5 support audio and video controls with the use of <audio> and <video> tags. While html uses flash player.

HTML5 offers multiple storage options, such as an SQL database, application cache, and web storage, where as HTML uses browser cache memory as temporary storage.

HTML5 has a JavaScript geolocation API, which can be used to identify any user's location when accessing the website, while older version of Html  are unable to use features that determine a user’s geolocation.

 doctype declaration is comparatively quite simple and easy to understand in HTML5. Where as  doctype declaration is long and complicated in HTML.

HTML5 contains tabindex, id, and repeat attributes. While Newer attributes like tabindex, id, and repeat are unavailable in HTML

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

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

The figure tag is used to semantically organize the content of images, videos, audios or even charts or tables, block of codes in the HTML document.

The image tag is used to add an image to an HTML page. <img> tag can only insert image.

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

HTML contains various elements to build the content. Elements such as paragraph, horizontal lines and headings are used to develop the structure of all webpages.

An attribute provides extra information about an HTML element. It has two sections: the name of the attribute and the value of that attribute. The name defines the property that we require to set, while the value is a property that defines the value of that property. The programmer can write the value inside quotations.

Global Attributes are attributes that can be on any HTML element. Examples include id, class, style, data-\*, title, and others.

Eg. <a href=<https://www.w3schools.com>> Attributes example</a>