**1.What is the difference between writing the HTML code in a text editor (such as VS Code, Sublime, Atom) and a word document?**

**A.** A text editor is used solely to write and edit text. You can copy, cut, paste, undo and redo. Text formatting is not available in those editors. Mostly text editors are used for programming purposes to write HTML, CSS, JavaScript, Php and other languages. An example of a text editor is sublime text or notepad++. It only allows you to write and edit but the execution of the text is not a feature of the notepad++.

A word processor allows you to edit text in addition to multiple other functionalities such as text formatting (italic, bold, underline, etc.). In addition to that word processors allow automatic spelling and grammar checks. It also comes with a thesaurus for word selections. This helps in previewing every change we made.

**2.What is the purpose of the first tag in the HTML document?**

**A.** The first tag in any HTML file is the <HTML> tag. This tells web browsers that the document is an HTML file and the further commands are need to be executes in webbroweser.

**3.Which HTML tags in HTML do not have any visual appearance? What is the purpose of such tags?**

**A. HTML** tags like <head> and <body> tags are used to define an area and the tags mentioned inside them are solely displayed in the space. It is used to divide the webpage for easy understanding and user friendliness.

**4.Is it possible to create user-defined tags in HTML?**

**A.** Yes, it is possible to create your own, user-defined elements in a document. Tag can be given any name but opening and closing rules will be the same. CSS also can be applied on user defined tags.

**5.Which HTML tag is the most powerful? Hint: It enables the world wide web**

**A**. I think href tag is the mostimportant tag that acts as an anchor to webpages. But the html hyper tag enables web designers to link web documents to each other.

**6.Is there a compiler or interpreter for the HTML code? Which software package does the job of taking HTML code as input, checks the tags and generates the output?**

**A.** There are no interpreter or compiler for HTML. HTML is a language used to design web pages. So HTML is NOT a programming language. Use of compiler: It changes the source code into its ASCII value creating a file with . Any web browser can generate the output of the html code.

**7.Which data structure is used to represent the HTML page in the browser?**

**A.** The Document Object Model (DOM) is a **programminginterface** for **HTML** and **XML**(Extensible markup language) documents. It defines the **logical structure** of documents and the way a document is accessed and manipulated.