**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++.

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.

**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.

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

**A.** The <html> tags don’t have any visual appearance. The purpose of html type tag is to tell the browser that this is an html file.

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

**A.** It is possible, today, to just write your own, user-defined elements in a document. There is nothing to stop you from writing <foo> in an HTML document, and styling it in a stylesheet. The browser will render <foo> and the CSS will be applied to it.

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

**A.**

**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.