**Assignment # 2**

**Q1 what is HTML?**

HTML stands for hypertext markup language.HTML describes the structure of web page. It consists of a series of elements and elements tell the browser how to display the content.

**Q2 what is an Element?**

An element is defined by start tag and end tag.

Example:

<p>this is our paragraph</p>

Here inside the <> ‘p’ is called as element.

**Q3 what is Tag?**

The tag represents the root of an HTML document. The tag is the container for all other HTML elements

**Q4 what is a browser?**

A browser (chrome, Firefox, and safari) can read HTML documents and display them correctly.

**Q5 How many parts does an HTML page have?**

There are two parts of HTML page:

1. Head

2. Body

Q6 what is an attribute in the HTML element? What does title attribute do?

The title attribute specifies extra information about an element. The information is most often shown as a tooltip text when the mouse moves over the element. The title attribute is part of the Global Attributes, and can be used on any HTML element.

**Q7 what do the following HTML elements do? Explain each one briefly. Also, write an HTML to show them working.**

**<Html>**

This tag represents the root of an HTML document.

**<Head>**

This element is a container for metadata (data about data) and is placed between the <html> tag and the <body> tag.

**<Title >**

This tag defines the title of the document. The title must be text-only, and it is shown in the browser's title bar or in the page's tab.

**<body>**

This element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc

**<h1>**

This element defines a heading in html page.

**<p>**

This element defines a paragraph in html page.

**<DOCTYPE>**

It is an "information" to the browser about what document type to expect.

In HTML 5, the declaration is simple:

<! doctype html>

**<a>**

This tag defines a hyperlink, which is used to link from one page to another.

**<Img>**

This tag is used to embed an image in an HTML page.

**<br>**

This tag inserts a single line break. And this tag is an empty tag which means that it has no end tag.

**Q8 Explain Html Image element attributes (source attribute, alt attribute, width, height attribute)?**

Image element has two attributes:

* src - Specifies the path to the image.
* alt - Specifies  an alternate text for the image, if the image for some reason cannot be displayed.

**Width** Specifies the width of an image.

**Height** Specifies the height of an image.

**Q9 What is href attribute in an anchor element?**

The **<a>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element (or anchor element), with its href attribute, creates a hyperlink to web pages, files, email addresses, locations in the same page, or anything else a URL can address.

Q10 what is the Style attribute?

The style attribute specifies an inline style for an element.

The <style> attribute will override any style set globally, e.g. styles specified in the <style>tag or in an external style sheet.

**Q11 explain with example:**

* **<b> - Bold text** the <b> tag should be used to markup text as bold without conveying any extra importance.
* **<Strong> - Important text** the tag is used to**define text with strong importance. The content inside is typically displayed in bold.**
* **<i> - Italic text** the <i> tag defines a part of text in an alternate voice or mood. The content inside is typically displayed in italic.
* **<em> - Emphasized text** The <em> tag is used to define emphasized text. The content inside is typically displayed in italic. A screen reader will pronounce the words in <em> with an emphasis, using verbal stress.
* <**Mark> - Marked text** the <mark> HTML element represents text which is marked or highlighted for reference or notation purposes, due to the marked passage's relevance or importance in the enclosing context.
* **<Small> - Smaller text** the <small> element makes text one size smaller than the default text size on the page.

**<Del> - Deleted text** Definition and Usage The tag defines text that has been deleted from a document. Browsers will usually strike a line through deleted text.

* **<ins> - Inserted text** The ins element contains content that has been inserted. This element is useful in marking changes from one version of a document to the next.
* **<sub> - Subscript text** Definition and Usage The <sub> tag defines subscript text. Subscript text appears half a character below the normal line, and is sometimes rendered in a smaller font. Subscript text can be used for chemical formulas, like H 2 O.
* **<sup> - Superscript text**

Definition and Usage The <sup> tag defines superscript text. Superscript text appears half a character above the normal line, and is sometimes rendered in a smaller font. Superscript text can be used for footnotes, like WWW.

**Q12 Explain comment tag?**

The comment tag is used to insert comments in the source code. Comments are not displayed in the browsers. You can use comments to explain your code