

ASSIGNMENT

What is a HTML?

HTML stands for **Hyper Text Markup Language** which is used to give **structure** to a webpage, however this structure is not enough to make a website to look attractive and interactive. Hence use **assisted** technologies such as **CSS and JavaScript** to make your HTML beautiful and add interactivity, respectively.

What is an element?

An HTML element is a **component** of a HTML document which tells the **web browser** how to **structure and interpret** a part of HTML. It also represent the semantics or meaning.

Most HTML elements are written with a *start tag* (or opening tag) and an *end tag* (or closing tag), with content in between. Elements can also contain attributes that defines its additional properties.

What is an attribute of a tag?

An attribute is used to **define** the **characteristics** of an HTML element and is placed inside the element's opening tag. All attributes are made up of two parts – a **name** and a **value**

- The **name** is the property you want to set. For example, the paragraph **<p>** element in the example carries an attribute whose

name is **align**, which you can use to indicate the alignment of paragraph on the page.

- The **value** is what you want the value of the property to be set and always put within quotations. The below example shows three possible values of align attribute: **left**, **center** and **right**.

What is a basic structure of a HTML file?

The structure of a HTML file is divided into 4 parts.

- DOCTYPE
- <html>
- <head>
- <body>

<!DOCTYPE html>: This tag is used to tell the HTML version. This currently tells that the version is HTML 5.0

<html> </html> : <html> is a root element of html. It's a biggest and main element in complete html language, all the tags, elements and attributes enclosed in it or we can say wrap it, which is used to structure a web page. <html> tag is parent tag of <head> and <body> tag, other tags enclosed within <head> and <body>. In <html> tag we use "lang" attributes to define languages of html page such as <html lang="en"> here en represents English language. Some of them are : es = Spanish, zh-Hans = Chinese, fr = French and el = Greek etc.

<head>: Head tag contains metadata, title, page CSS etc. Data stored in the <head> tag is not displayed to the user (except title tag), it is just written for reference purposes and as a watermark of the owner.

<body>: A body tag is used to enclose all the data which a web page has from texts to links. All the content that you see rendered in the

browser is contained within this element. Following tags and elements used in the body.

Here are some important tags that are used in webpage creation.

HTML Formatting Elements

<code></code>	- Used to create the bold text
<code></code>	- Does the same function as bold tag. Used to mark important
<code><i></code>	- Used to make text italic.
<code></code>	- An emphasis tag which also makes the text italic.
<code><mark></code>	- Used to mark a specific text.
<code><small></code>	- Reduce the text size.
<code><ins></code>	- Used to insert an specific text.
<code><sub></code>	- Used for writing an subscript ex: X_3 .
<code><sup></code>	- Used for writing an superscript ex: X^2 .
<code></code>	- Used to add the image into the website.
<code><a></code>	- Anchor tag used to create a hyperlink to other webpages.
<code><title></code>	- Title tag is used to create the title of the webpage.

