**What is HTML?**
HTML stands for "Hyper Text Markup Language". Hypertext means the way of linking web pages together. HTML is used for creating web pages and web applications. HTML uses tags to mark up a text document. A web page is structured by tags and is displayed on a web page. HTML was created by Berners-Lee in late 1991. The latest version is HTML5 which was released in 2014.

**What are Comments?**
 Comments are added to the code of HTML to provide a short description of the code. It is not visible on the web page but is kept for development purposes as it plays a very important role for the web developer.
To add comment in HTML document we use,

```
<!-- Anything written inside this angular bracket will not be shown on web page >
```

**What is the syntax of an HTML Document?**
```
<!DOCTYPE html>
<html>


</html>
```

**What are HTML Tags?**
HTML uses various tags to create the structure of the web page. Every tag is written inside angular brackets <>. Almost every tag also has a corresponding closing tag. Tags are also known as elements.
Tags are of two types-
(a) Container Tags/Elements
(b) Empty Tags/Elements

The tags are discussed below:
(i) <!DOCTYPE html>
This tag is used to tell the web browser that the following text document is a HTML document. There's no need to mention the HTML version.

(ii) <html>
This tag comprises of the complete HTML document and everything in a HTML document needs to be written inside these angular brackets.

(iii) <head>
This tag is used for document's header.

(iv) <title>
This tag is used to mention the title of the document and is placed inside <head> tag.

(v) <body> This tag consists of body of HTML document. It includes other HTML tags like <h1> and <p>.

(vi) <h1>
This tag represents the main heading of the document. A document can have multiple headings and can be denotes as <h2>, <h3>,...,etc.

(vii) <p>
This is a container element and is used to represent the paragraph of the HTML document.

**What are Container Elements?**
Container Elements begins with an opening tag and ends with a closing tag. The closing tag is similar to the opening except that it contains a forward slash (/) after the opening bracket.
Examples of Container Tags are <title></title>, <p></p>, <h1></h1> etc.

**What are Empty Elements?**
Empty Elements only has a single tag that performs a general operation. They do not work on blocks of texts.
Examples of Empty Tags are <br>, &nbsp, etc.

**What are Attributes?**

Attributes are used to provide additional information about an element. Every HTML element can have attributes, these attributes will provide extra information about the element.
Attributes accepts two parameters:
(a) Name
(b) Value
For example-

```
<elementName attributeName="attributeValue">
```
<!-- attributeName is written directly after elementName attributeValue is written inside double quotes -->
Attributes are of many types:
(a) href Attribute
(b) src Attribute
(c) width & height Attribute
(d) style Attribute
(e) alt Attribute

**What is an href attribute?**
 href attribute is used to insert address link of any web page to a text. To use the href attribute we use anchor tag <a>.
For example-

```
<html>
<body>
<a href="play.google.com"> Google Play Store </a>
<!-- The link written inside of double quotes i.e.(play.google.com) will get linked
to text written inside of anchor tag i.e.(Google Play Store) -->
</body>
</html>
```

**What is src attribute?**
To insert an image into a web page we use image tag <img> but to insert an image with a link we need to use source attribute(src).

For example-

```
<html>
<body>
<img src="shorturl.at/apDGI">
<!-- Here image link is stored inside the attribute's value in double
quotes >
</body>
</html>
```

## What is the width & height attribute?

The width and height attributes are used inside image tag <img> along with src attribute to define the width and height of the image.

For example-
```
<html>
<body>
<img src="shorturl.at/apDGI" "width=250px" "height=500px">
</body>
</html>
```

## What is an alt attribute?

Alternate Attribute is used inside image tag to store the description about the image. If the image fails to load then the value written inside alt attribute will be visible to the user. It also allows the search engine crawlers to crawl to the image which is helpful to increase the ranking of a website.

For example-
```
<html>
<body>
<img src="shorturl.at/apDGI" alt="TechNark Logo">
</body>
</html>
```

## What is style attribute?

The style attribute allows us to add font style,font color, font size, text alignment to our texts.

For example-

```
<html>
<body>
<p style="font-family:OpenSans;"> TechNark </p>
<p style="font-size:15px;"> TechNark </p>
<p style="color:#fba510;"> TechNark </p>
<p style="text-align:right;"> TechNark </p>
</body>
</html>
```