**What is Website?**

Any file or documents which we are accessing over the internet under a specific domain that is called website (or) set of related web pages is called website.

**What is Website Designing?**

Designing of web pages is called web designing. Website designing is look and feel of the website i.e. the way how images, text etc.. presented on the website

**What are the types of a website?**

**Ecommerce**: Buy/Sell in online

**Business Website**: to showcase about our brand. What is our brand about?

**Web Application Websites**: these are dynamic websites for example Facebook same design for any number of users

**Apps**: Which we are using everyday for ordering food/groceries, Cloths, Electronics.

**What is favicon?**

The fav icon also called as favicon. This is the logo icon of a company or this represents identity of a brand and the purpose of the icon is if there are many tabs are opened on the browser the title of a website will be hidden so with this icon we can go to the website which we want to open also if anyone makes any URL bookmark or in to their favourites there also this favicon will be saved.

**What is title?**

It defines the document's **title** that is shown in a browser's **title** bar or a page's tab. It only contains text; tags within the element are ignored.

**What is HTTP**

HTTP is Hyper Text Transfer Protocol used to transfer the data from webservers to web browsers.

**What is HTTPS**

HTTPS is Hyper Text Transfer Protocol Secured. When we apply SSL(Secure Socket Layer) Certificate to any website the website will be secured. When user fills any data in the website the data will be encrypted first so the data will be secured.

**What is HTML**

HTML is Hyper Test Mark-up Language is used to create the web pages.

**What is Hyper Text**

Hypertext is a series of text which are linked to each other via hyperlinks.

**What is Mark-up Language**

A mark-up language is a computer language that uses tags to define elements within a

document. It is human-readable, meaning mark-up files contain standard words, rather than

typical programming syntax.

**HTML Page structure**

<!DOCTYPE html>  
<html>  
<head>  
<title>Page Title</title>  
</head>  
<body>  
  
<h1>Heading here</h1>  
<p>I Am paragraph.</p>  
  
</body>  
</html>

The <!DOCTYPE html> declaration defines that this document is an HTML5 document

The <html> element is the root element of an HTML page

The <head> element contains meta information about the HTML page

The <title> element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

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

The <h1> element defines a large heading

The <p> element defines a paragraph

**How to create HTML Page**

Open notepad go to File -> save as index.html and select save as type as all files

**HTML Tags**

Tag is a sequence of characters which tells the browser how to display and format the content.

**Tag Syntax:** <tagname> I am a tag </tagname>

**Note:** <html> , <head>, <title>, <body> are also HTML Tags

**Header Tags**

HTML headings are defined with the <h1> to <h6> tags.

<h1> I am H1</h1>

<h2>I am H2</h2>

<h3>I am H3</h3>

<h4>I am H4</h4>

<h5>I am H5</h4>

<h6>I am H6 </h6>

**Paragraph Tag**

HTML paragraphs are defined with the <p> tag

<p>I am Paragraph. </p>

**Html Anchor Tag**

HTML links are defined with the <a> tag

<a href=" [https://www.a2nacademy.com/"> I](https://www.a2nacademy.com/%22%3e%20I) am A2N Academy Website Link</a>

**Html Image Tag**

<img src="ImagePath" alt="iam image" width="104" height="142">

**HTML Attributes**

HTML Attributes provides additional information to the html elements. Its always inside the start tag

**Suppose if we take img tag**

<img src=="ImagePath" alt="somedescription about image" width="100" height="100"></img>

Here Src, Alt, Width, Height are the image attributes

**Src** attribute specifies path to the image

**Alt** Attribute Describes about the image when image is not supported in the browser or image path is incorrect.

**Width** attribute Describes image width and

**height** attribute describes height of the image

**Example**

**Suppose if we take the link tag**

<a target="\_blank" title="I am a link with title" href="https://www.lipsum.com/">I am a link with title</a>

Here **Target Title, href** are anchor attributes.