**Html:**

Html stand for hyper-text-markup language.

Html is the language of web which is used to create the website. In html we use the tags to write the content on page.

Html is not a case sensitive language (i-e <h1> is same as <H1>

**Difference b/w Html, CSS and javascript**

1. Html is used to define the layout of website.
2. CSS is used to style the layout of website.
3. Javascript is used to make the logic in website or also called it is the brain of website.

<! Doctype html lang="en"> it defines that it is the document of html

Or it is parent of all the elements.

<head> it is the tag which contain the metadata of website (html document)

<title>hello</title> (it define the title of website)

</head>

<body>

the content written in body tag displayed on my document.

it is the tag in which we write our content.

</body>

</html>

**1.<meta CHARSET=” UTF-8”>**

**CHARSET=UTF-8**

This is specified in meta tag.

Unicode is a characterSet, utf-8 is encoding.

Unicode is list of character with unique decimal value.

Utf-8 contains the 256 to 1000 thousand unique value for different characters.

Utf-8 converting 256 to 1000 unique decimal to binary language called as utf-8 encoding.

**2. <link rel=” stylesheet/script” type=”text/css/script” path=””>**

**Rel**=>define the relation of file which is being linked with that html document.

**type =>**it defines the type of that file which we are linking.

**Path=>**it shows the path of that file.

**3 <meta name=” viewport” content=” width=device-width, initial-scale=1.0”>**

This tag is basically defining the responsiveness of that page

1.Name=>it defines the purpose of tag.

2.Content=> it has two values.

1. width=device-width:

it showing that document will give the width according to screen.

1. Initial-scale=1.0:

It set the initial value when our screen is changing.

**Creating page layout:**

When we use the right tag in the right place it results in better page layout and help in better search engine optimizing.

<header>

Between this tag we create our navigation bar.

</header>

<main> => it is the tag in which we write out real content of website. It is also divided into three parts

<section>

<article>

<aside>

</main>

<footer>

In which we write our footer data (i: e copyright)

</footer>