**What is HTML?**

* HTML stands for Hyper Text Markup Language
* HTML is the standard markup language for creating Web pages
* HTML describes the structure of a Web page
* HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

**HTML Element:**

<tagname> Content </tagname>

* The HTML **element** is everything from the start tag to the end tag:

<h1> Heading</h1>

<p>paragraph</p>

**HTML PAGE STRUCTURE:**

<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

</head>

<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>

</html>

## HTML Links:

HTML links are defined with the tag “<a>”

<a href="https://www.w3schools.com">This is a link</a>

## HTML Images:

HTML images are defined with the tag <img>

The source file (src).

<img src="w3schools.jpg" alt="W3Schools.com" width="104" height="142">

## HTML Attributes:

* All HTML elements can have attributes
* Attributes provide additional information about elements
* Attributes are always specified in the start tag
* Attributes usually come in name/value pairs like: name="value"

## href Attribute

The <a> tag defines a hyperlink. The href attribute specifies the URL of the page the link goes to:

<a href="https://www.w3schools.com">Visit W3Schools</a>

## src Attribute

The <img> tag is used to embed an image in an HTML page. The src attribute specifies the path to the image to be displayed:

<img src="img.jpg">

## alt Attribute

The required alt attribute for the <img> tag specifies an alternate text for an image, if the image for some reason cannot be displayed. This can be due to as low connection, or an error in the src attribute, or if the user uses a screen reader.

<img src="img\_girl.jpg" alt="Girl with a jacket">

## style Attribute

The style attribute is used to add styles to an element, such as color, font, size, and more.

<p style="color:red;">This is a red paragraph.</p>

**HTML Formatting Elements:**

Formatting elements were designed to display special types of text:

<b> - Bold text

<strong> - Important text

<i> - Italic text

<em> - Emphasized text

<mark> - Marked text

<small> - Smaller text

<del> - Deleted text

<ins> - Inserted text

<sub> - Subscript text

<sup> - Superscript text

**HTML Tables**

HTML tables allow web developers to arrange data into rows and columns.

<table>

<tr>

<th>Company</th>

<th>Contact</th>

<th>Country</th>

</tr>

<tr>

<td>Alfreds Futterkiste</td>

<td>Maria Anders</td>

<td>Germany</td>

</tr>

<tr>

<td>Centro comercial Moctezuma</td>

<td>Francisco Chang</td>

<td>Mexico</td>

</tr>

</table>