# 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 consists of a series of elements
* HTML elements tell the browser how to display the content
* HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

## Example html code:

<!DOCTYPE html>  
<html>  
<head>  
<title>Page Title</title>  
</head>  
<body>  
  
<h1>My First Heading</h1>  
<p>My first paragraph.</p>  
  
</body>  
</html>

### Example Explained

* The <!DOCTYPE html> declaration defines that this document is an HTML5 document (Necessary so python know what type of file it is)
* The <html> element is the root element of an HTML page (not necessary)
* The <head> element contains meta information about the HTML page(not necessary)
* 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)(not necessary)
* 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.(necessary)
* The <h1> element defines a large heading (make the heading into a Big title)
  + Also <h2>,<h3>,<h4>,<h5>..every one of them makes the word smaller but still with **GRAS**
* The <p> element defines a paragraph

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

## Type of tags:

* <br> → Line break
* <img> → Image
* <hr> → Horizontal rule
* <meta> → Metadata
* <link> → Linking external resources (like CSS)
* <input> → Input fields

 <p> (opening tag)

 </p> (closing tag)

 <br> (self-closing tag)

## Element:

<p>Hello, world!</p>

## Link TEXT into a HTML:

<a href=”default.html”>Visit our HTML tutorial. </a>

Une image contenant texte, capture d’écran, logiciel, Logiciel multimédia

Le contenu généré par l’IA peut être incorrect.

* Utiliser les bons |“| voir le ss
* Créer un dossier
* Mettre la prochaine page dans le dossier

## Attributes

An **attribute** in HTML provides **additional information about an element**. Attributes are **always defined in the opening tag** of an element and usually come in **name="value"** pairs.

### Exemple of a attribute

<a href="https://www.example.com">Visit Example</a>

### Type of elements for attributes:

* <a> is the **element** (an anchor tag for links).
* <img> is the element (for images).
  +  src="image.jpg" specifies the image file.
  +  alt="A beautiful scenery" provides alternative text if the image doesn't load.
  +  width="500" sets the width of the image.
  +  height="300" sets the height.

## Extra stuff

<hr> : put line a in the web page

<br> : put everything in front of it bellow whats behind it

<pre> : puts spaces between is paragraph

## Formatting/Customization:

Une image contenant texte, capture d’écran, logiciel, Logiciel multimédia

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font-family : change le corps du texteUne image contenant texte, capture d’écran, Police

Le contenu généré par l’IA peut être incorrect.

style=text-align :center; 🡪 change la posiiton du texte

<em></em> changes the style of the paragraph

<mark></mark> : highlight the word



<sub></sub>: puts the word below 🡪

