

Lab Session 1 : Initiation to HTML

1. INTRODUCTION

HTML (Hypertext Markup Language) is not a programming language. It is a description language that defines the appearance of a document using a simple text editor. An HTML page is just a sequence of elements.

2. TAGS

HTML is a markup language where each tag inserts an element into the web page. Each tag has a name and appears between the < and > symbols.

We can distinguish:

- **Container tags:** Tags that require a closing tag, e.g., <p>This is a paragraph</p>.
- **Non-container tags:** Tags that do not require a closing tag, e.g.,
. A tag itself is not part of the content.
- **A tag provides information about the content.**
- **All used tags must be properly closed** (e.g., <p></p>, or
).
- **Tags should never overlap:**
 - Correct: <i>...</i>
 - Incorrect: <i>...</i> (this will not work).
- **Element and attribute names are usually written in lowercase**, but <head> and <HeAd> are equivalent.
- **It is possible to add comments in HTML:** <!-- This is a comment -->.

3. ATTRIBUTES

- Attributes are inserted in the opening tag and consist of two parts: the attribute name and its value.
- The value must be enclosed in quotation marks, and the attribute name and value are linked with the = sign.
- A tag can have one or multiple attributes.

Example 1

```
<html>
<head><title>Mon Site</title></head>

<body bgcolor="red">
<p align="center" title="Une Infobulle">Hello world</p> <!--attribut align et title: une info-bulle-->
</body>

</html>
```

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II. Structure of an HTML Document (Title, Text, Attributes, Formatting)

Note: You can test each step using any web browser.

1. **Create the necessary directories:**
 - On the **D:** drive, create a new folder named **Gx**, then a subfolder called **TP1DAW**.
2. **Open a text editor (e.g., Notepad++) and type the following essential HTML tags:**

```
<html>
<head><title></title></head>
<body></body>
</html>
```

3. **Set the title of your page** by inserting your name (replace "Flene" with your actual name) between the `<title>` tags:

```
<head><title>La page de Flene</title></head>
```

- This title will appear in the browser's title bar.
 - All other page elements should be placed between the `<body>` tags.
4. **Save the file as** `page1.html` in the TP1DAW directory.
 5. **Set the background color of the page** by placing this line after the `<body>` tag:

```
<body bgcolor=#b6be78>
```

6. **Add a heading with a welcome message** using `<h1>` tags:

```
<h1>Bienvenue dans la page Web de Flene</h1>
```

7. **Display text in font size 4** with green color:

```
<font color=#008000><h4>Je suis étudiant au Centre
Universitaire de Mila</h4></font>
```

8. **Insert three line breaks** before adding a return link: `</br></br></br>`
9. **Create an anchor point (arrival anchor) at the top of the page:**

```
<h1><a name="haut de page">Bienvenue dans la page Web de
Flene</a></h1>
```

10. **Create a link (departure anchor) to return to the top of the page:**

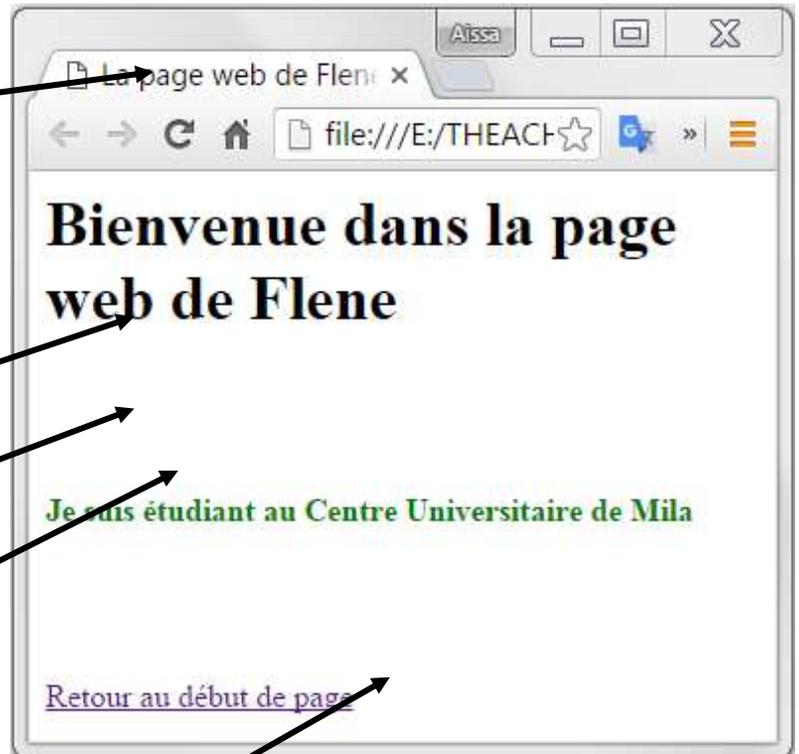
```
<a href="#haut de page">Retour au début de page</a>
```

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Example 2

The full code is as follow:

```
<html>
<head>
<title>La page web de Flene
</title>
</head>
<body bgcolor=#b6be78>
<h1> <a name="#haut de page">
Bienvenue dans la
page web de
Flene</a>
</h1>
<br><br>
<font
color=#008000>
<h4>Je suis étudiant au Centre
Universitaire de Mila </h4>
</font>
<br><br><br>
<a href="#haut de page">Retour
au début de page</a>
</body>
</html>
```



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Text formatting

Tag	Role
...	Bold text
<BIG>...</BIG>	Enlarges the font size
<BLINK>...</BLINK>	Blinking text (Netscape only)
...	Italic text
...	Colored text where XXXXXX is a hexadecimal value
...	Font size where X is a value from 1 to 7
<I>...</I>	Italic text
<NOBR>...</NOBR>	Prevents automatic line breaks in browsers
<PRE>...</PRE>	Preformatted text, preserving spaces and line breaks
<SMALL>...</SMALL>	Reduces font size
...	Bold text
_{...}	Subscript text
^{...}	Superscript text
<U>...</U>	Underlined text
<!--...-->	Comment ignored by the browser
 	Line break
<BLOCKQUOTE>...</BLOCKQUOTE>	Quotation (adds text indentation)
<CENTER>...</CENTER>	Centers all content within the tag
<DIV align=center> ...</DIV>	Centers the enclosed element
<DIV align=left> ...</DIV>	Aligns the enclosed element to the left
<DIV align=right> ...</DIV>	Aligns the enclosed element to the right
<Hx>...</Hx>	Heading where x is a value from 1 to 7
<Hx align=center>...</Hx>	Centered heading
<Hx align=left>...</Hx>	Left-aligned heading
<Hx align=right>...</Hx>	Right-aligned heading
<P>...</P>	New paragraph
<P align=center>...</P>	Centered paragraph
<P align=left>...</P>	Left-aligned paragraph
<P align=right>...</P>	Right-aligned paragraph