

## 010: Introducing HTML

Definitions/Concepts	
<b>HTML Tags</b>	<ul style="list-style-type: none"> <li>All HTML documents must start with a document type declaration: <code>&lt;!DOCTYPE html&gt;</code>.</li> <li>The HTML document itself begins with <code>&lt;html&gt;</code> and ends with <code>&lt;/html&gt;</code>.</li> <li>Tags are used to mark up the start of an HTML element and they are usually enclosed in angle brackets.<code>&lt;&gt;</code></li> </ul>
<b>Heading Tags</b>	<ul style="list-style-type: none"> <li>HTML defines six levels of headings.</li> <li>The heading levels are H1, H2, H3, H4, H5, and H6 with H1 being the highest and H6 being the smallest.</li> <li>For example, H1 tag must be opened <code>&lt;h1&gt;</code> and closed <code>&lt;/h1&gt;</code> in order to function.</li> </ul>
<b>HTML <code>&lt;body&gt;</code> tag</b>	<ul style="list-style-type: none"> <li>The HTML <code>&lt;body&gt;</code> tag defines the main content of the HTML document or the section of the HTML document that will be directly visible on your web page. This tag is also commonly referred to as the <code>&lt;body&gt;</code> element.</li> </ul> <p>Syntax:</p> <p><code>&lt;body&gt; Content of the body tag &lt;/body&gt;</code></p> <ul style="list-style-type: none"> <li>The HTML <code>&lt;body&gt;</code> element is found within the <code>&lt;html&gt;</code> tag.</li> <li>The most common elements to be placed in the HTML <code>&lt;body&gt;</code> tag are: <code>&lt;h1&gt;</code>, <code>&lt;p&gt;</code>, <code>&lt;div&gt;</code>, <code>&lt;table&gt;</code> tags.</li> </ul>
<b>HTML <code>&lt;p&gt;</code> tag</b>	<ul style="list-style-type: none"> <li>The HTML <code>&lt;p&gt;</code> tag defines a paragraph in the HTML document. This tag is also commonly referred to as the <code>&lt;p&gt;</code> element.</li> <li>Paragraphs are block-level elements, and notably will automatically close if another block-level element is parsed</li> </ul>



	<p>before the closing &lt;/p&gt; tag. See “Tag omission” below.</p> <pre>&lt;body&gt; &lt;p&gt;The paragraph goes here.&lt;/p&gt; &lt;/body&gt;</pre> <ul style="list-style-type: none"> <li>• The HTML &lt;p&gt; element is found within the &lt;body&gt; tag.</li> <li>• It is the most commonly used block-level element.</li> <li>• Paragraphs defined with the &lt;p&gt; tag have extra spacing before and after the &lt;p&gt; tag.</li> </ul>
<b>font styling</b>	<ul style="list-style-type: none"> <li>• Styles help you write your texts in various different ways such that your webpage looks more appealing and your texts have colors, italics etc.</li> </ul>

## Activity links and Solutions

[Student Activity 1](#): Codepen

#Activity 1: Create a simple webpage using HTML.

1. The <!DOCTYPE >Declaration represents the document type, and helps browsers to display web pages correctly.
2. The visible part of the HTML document is between <body> and </body>.

```

1 <!DOCTYPE html>
2 <html>
3 <body>
4   My first Webpage
5 </body>
6 </html>
7

```

Output :-

My first Webpage

Create different levels of headings.

```
HTML
1 <html>
2   <body>
3     <h1> This is heading 1 </h1>
4     <h2> This is heading 2 </h2>
5     <h3> This is heading 3 </h3>
6     <h4> This is heading 4 </h4>
7     <h5> This is heading 5 </h5>
8     <h6> This is heading 6 </h6>
9     <p> This is a paragraph. </p>
10  </body>
11 </html>
```

Output:

**This is heading 1**

**This is heading 2**

**This is heading 3**

**This is heading 4**

**This is heading 5**

**This is heading 6**

**This is a paragraph.**

Create a webpage for Seven Wonders of the World.

```
# HTML
1 <html>
2 <h1>Seven Wonders of the World</h1>
3 <p>This is a webpage that will tell us about the seven
  wonders of the world<p>
4
5 <h2>1. Taj Mahal</h2>
6 <p>write something here about taj mahal.<p>
7
8 <h2>2. Great Wall of China</h2>
9 <p>write here about the great wall of china<p>
10
11 <h2>3. Number 3</h2>
12 <p>write here about the the 3rd<p>
13
14 <h2>4. Number 4</h2>
15 <p>write here about the the 4th<p>
```

Output:-

# Seven Wonders of the World

This is a webpage that will tell us about the seven wonders of the world

## 1. Taj Mahal

write something here about taj mahal.

## 2. Great Wall of China

write here about the great wall of china

## 3. Number 3

write here about the the 3rd

## 4. Number 4

write here about the the 4th

## 5. Number 5

write here about the the 5th

## 6. Number 6

### Change the colour of the heading.

- Color tag here defines the color of our text that the particular tag will display.  
Syntax:

```
<h1 style="color:blue;">This is a heading</h1>  
<p style="color:red;" >This is a paragraph.</p>
```

Output:

**This is a Heading.**

This is a paragraph.

### To change the font style in HTML

- If you have used MS-Word, you must be knowing there are various different styles of writing texts.
- Font-family tag here defines the family of the text that the particular tag will display.

Syntax:

```
<h1 style="font-family:verdana;">This is the Verdana Font</h1>  
<p style="font-family:courier;" >This is the courier font</p>
```

Output:

**This is the Verdana Font.**

This is the courier font.

### To align text in an HTML Document

- To position the texts we use the tag text align.

Syntax:

```
<h1 style="text-align:center;" >Centered Heading</h1>
```

```
<p style="text-align:center;">Centered paragraph.</p>
<p style="text-align:left;">Left paragraph.</p>
<p style="text-align:right;">Right paragraph.</p>
```

Output:

## Centered Heading

Centered Paragraph.

Left Paragraph.

Right Paragraph.

## FunFacts

**HTML can also be used to add meta information to a webpage. Meta information is information *about* the web page. For example, the name of the person who made it. Meta information is not usually shown by web browsers.**