

Tutorial 02 – HTML Basics

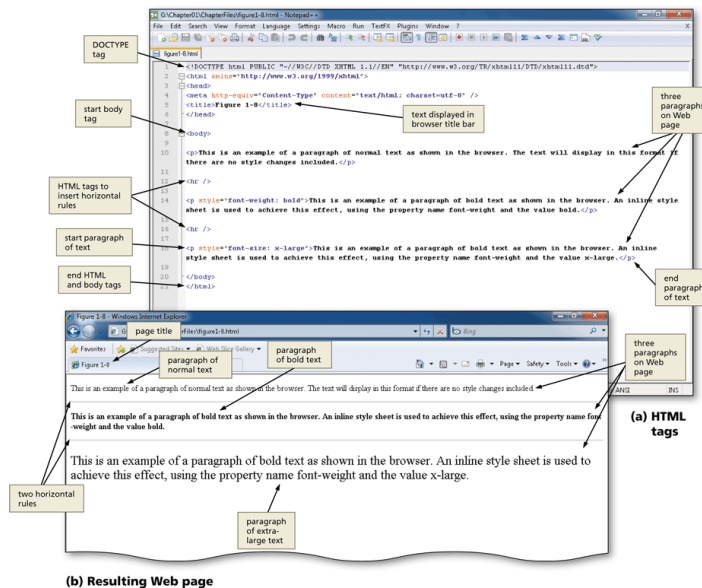
Table of Contents

Introduction.....	2
What is Hypertext Markup Language?	2
HTML Versions.....	2
Create a Web Page	2
Why HTML?	2
Constructing HTML	2
Basic structure of HTML	3
Headings	3
Font Style.....	4
Paragraph and Line Break.....	4
Alignment	4
List	5
Horizontal Lines	5
Tutorial - Exercise	6

Introduction

What is Hypertext Markup Language?

- Web pages are created using Hypertext Markup Language (HTML), which is an authoring language used to create documents for the World Wide Web
- HTML uses a set of special instructions called tags or markup to define the structure and layout of a Web document and specify how the page is displayed in a browser
- HTML is platform independent, meaning you can create, or code, an HTML file on one type of computer and then use a browser on another type of computer to view that file as a Web page



HTML Versions

- HTML has gone through several versions, each of which expands the capabilities of HTML
- The most recent version of HTML is HTML 5.0, although most browsers still support HTML versions 3.2 and 2.0

Create a Web Page

- Can use any text editor (e.g., Notepad or WordPad)
- Create the file with Notepad
- View the file with Browsers (e.g. Internet Explorer, FireFox)

Why HTML?

- Web browsers do not recognize Notepad's command for a line break; they only read text and HTML
- HTML codes tell the browser how to display your text.

Constructing HTML

- The process of establishing a web site is web authoring.
- The person responsible for building and maintaining the web site is webmaster or web administrator.

Basic structure of HTML

- `<!DOCTYPE html>`: HTML documents must start with a document type declaration of html. (HTML 5)
- `<html></html>`: The HTML document itself begins with `<html>` and ends with `</html>`.
- `<head></head>`: The head element contains meta information about the document.
 - `<title></title>`: title element specifies a title for the document.
- `<body></body>`: The body element contains the visible page content.
- `<!-- -->`: Comment tags are used to insert comments in the HTML source code.
 - Comments are not displayed by the browser. It helps to document the source code.

```

1  <!DOCTYPE html>
2  <HTML>
3      <HEAD>
4          <TITLE>
5              Put your title here.
6          </TITLE>
7      </HEAD>
8      <BODY>
9          <!-- This is a comment. -->
10         Content here.
11      </BODY>
12 </HTML>

```

Headings

- Headings are defined with the `<h1>` to `<h6>` tags.
- `<h1>` defines the most important heading. `<h6>` defines the least important heading.

Level 1 Header

Level 2 header

Level 3 header

Level 4 header

Level 5 header

Level 6 header

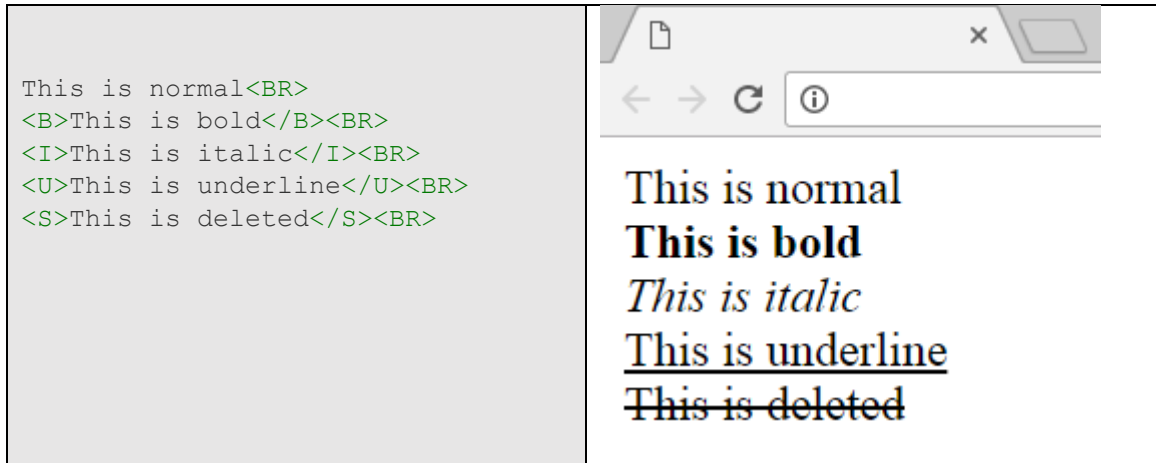
Inspector Console

```

<html>
  <head></head>
  <body>
    <h1>Level 1 Header</h1>
    <h2>Level 2 header</h2>
    <h3>Level 3 header</h3>
    <h4>Level 4 header</h4>
    <h5>Level 5 header</h5>
    <h6>Level 6 header</h6>
  </body>
</html>

```

Font Style



Paragraph and Line Break

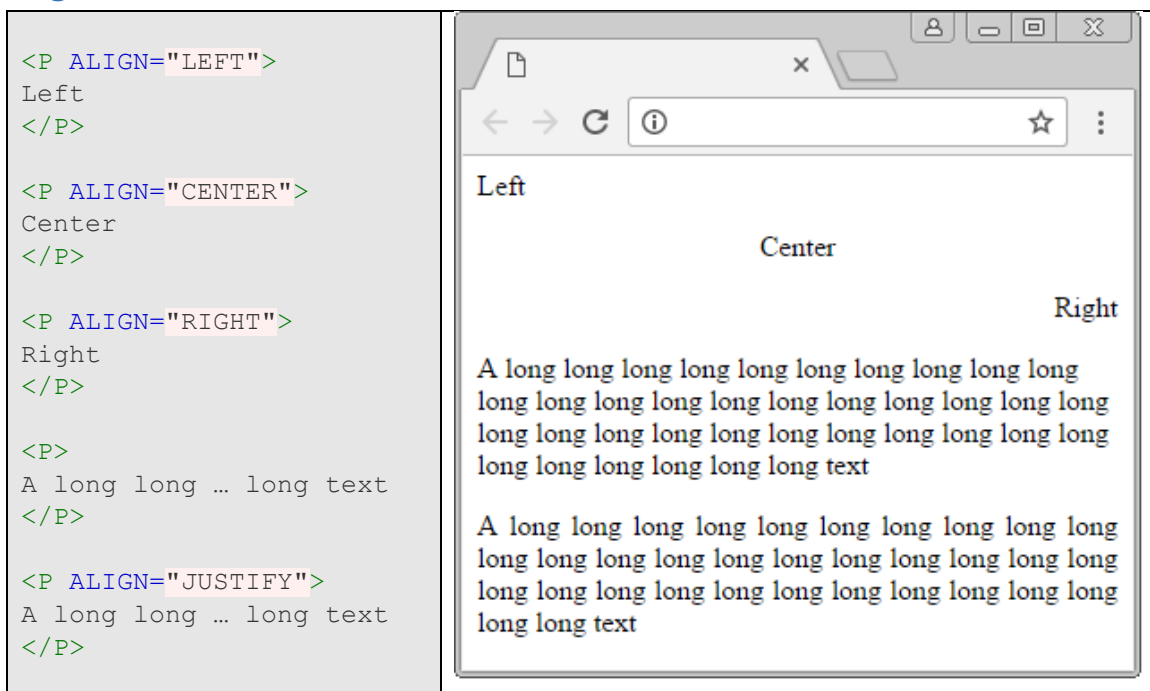
<P>: Paragraph

```
<P> This is a paragraph. </P>
```

**
: Line break**

```
Line 1<BR>
Line 2
```

Alignment



List

- Ordered List

This is an ordered list: <pre> Item 1 Item 2 Item 3 </pre>	This is an ordered list: 1. Item 1 2. Item 2 3. Item 3
---	---

- Unordered List

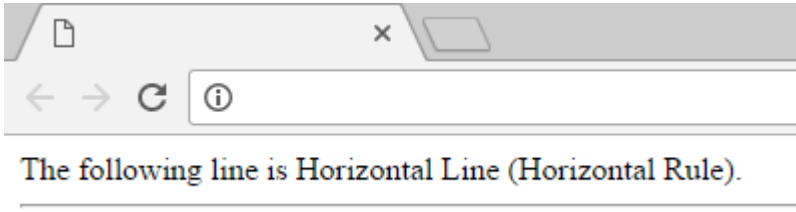
This is an unordered list: <pre> Item 1 Item 2 Item 3 </pre>	This is an unordered list: <ul style="list-style-type: none"> • Item 1 • Item 2 • Item 3
---	--

- Nested List ([Exercise](#))

	This is a nested list: <ul style="list-style-type: none"> • Item 1 <ul style="list-style-type: none"> 1. Item 1.1 2. Item 1.2 • Item 2 • Item 3
--	--

Horizontal Lines

- <HR>: Horizontal lines (Horizontal Rule)
- The <HR> tag has no end tag

The following line is Horizontal Line (Horizontal Rule). <pre><HR></pre>	 <p>The screenshot shows a web browser window with a single horizontal line displayed below the text 'The following line is Horizontal Line (Horizontal Rule)'.</p>
---	---

Tutorial - Exercise

Create an HTML file called **SEHH1016_T2.html** using the text in the text file called **Raw_text_for_Tutorial_2.txt** and the basic tags in this tutorial.

Write down your name as a comment in the HTML file. The `<!-- -->` tag is used for comment.

The following shows an example:

```
<HTML>

<BODY>

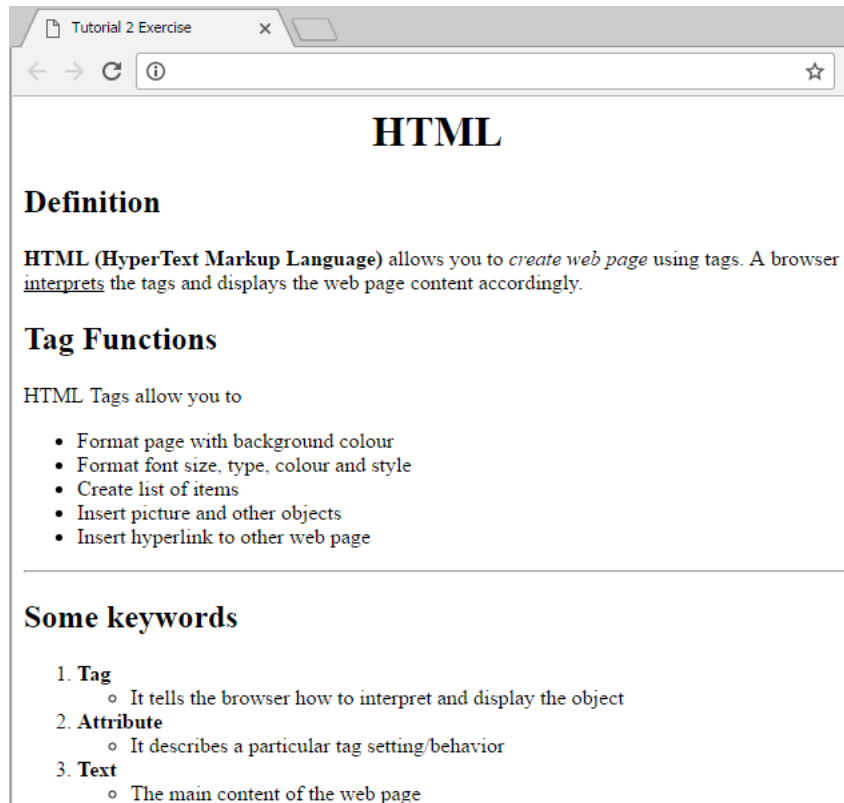
<!--This is a comment.

      Comments are not displayed in a browser -->

</BODY>

</HTML>
```

The HTML page looks like the following:



Hints: (1) Use the tags `<HTML>`, `<HEAD>` and `<BODY>` to define the page structure.

(2) Use the `<TITLE>` tag to define the title of the page.