Lecture (1): HTML Introduction

HTML is the standard markup language for creating Web pages.

What is HTML?

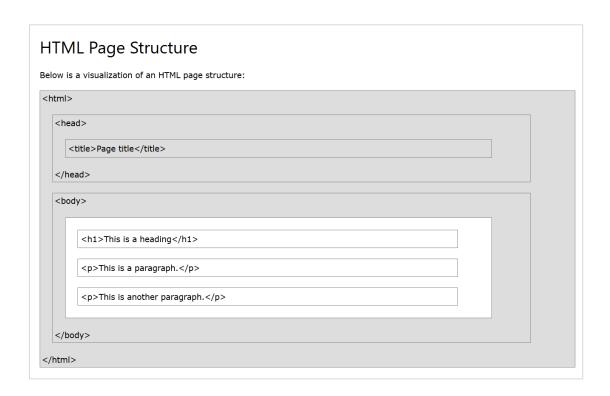
- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

A Simple HTML Document

```
Example
```

Example Explained

- The <!DOCTYPE html> declaration defines that this document is an HTML5 document
- The <html> element is the root element of an HTML page
- The <head> element contains meta information about the HTML page
- 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)
- 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.
- The <h1> element defines a large heading
- The element defines a paragraph

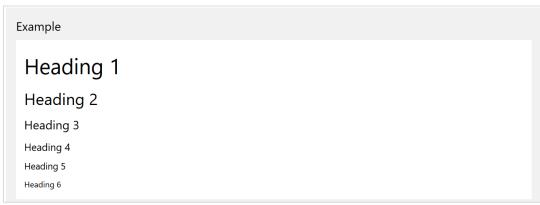


HTML Headings

HTML headings are defined with the <h1> to <h6> tags.

<h1> defines the most important heading. <h6> defines the least important heading.





HTML Paragraphs

A paragraph always starts on a new line, and is usually a block of text.

HTML Paragraphs

The HTML element defines a paragraph.

A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.

Example

```
This is a paragraph.
This is another paragraph.
```

HTML Horizontal Rules

The <hr> tag defines a thematic break in an HTML page, and is most often displayed as a horizontal rule.

The <hr> element is used to separate content (or define a change) in an HTML page:

Example

```
<h1>This is heading 1</h1>
This is some text.
<hr>
<h2>This is some text.
<h2>This is heading 2</h2>
This is some other text.
<hr>
```

The <hr> tag is an empty tag, which means that it has no end tag.

HTML Line Breaks

The HTML
 element defines a line break.

Use
br> if you want a line break (a new line) without starting a new paragraph:

Example

This is
pr>a paragraph
br>with line breaks.

The HTML Element

The HTML element defines preformatted text.

The text inside a element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks:

Example

My Bonnie lies over the ocean.

My Bonnie lies over the sea.

My Bonnie lies over the ocean.

Oh, bring back my Bonnie to me.

Tag	Description	
<u></u>	Defines a paragraph	
<u><hr/></u>	Defines a thematic change in the content	
<u> </u>	Inserts a single line break	
<pre><</pre>	Defines pre-formatted text	