

HTML Markup Structures

English Language Department 2021-2022

ERBIL

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2008

Launch the editor

- Code editors are probably the most important tools of web developers. Finding one that best fits your workflow and goals, and has all the features you need can save you a lot of time and significantly improve your code quality.
- For this course we use VS code editor.
- Visual Studio Code is Microsoft's cross-platform source code editor that runs on all major operating systems

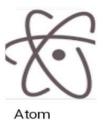








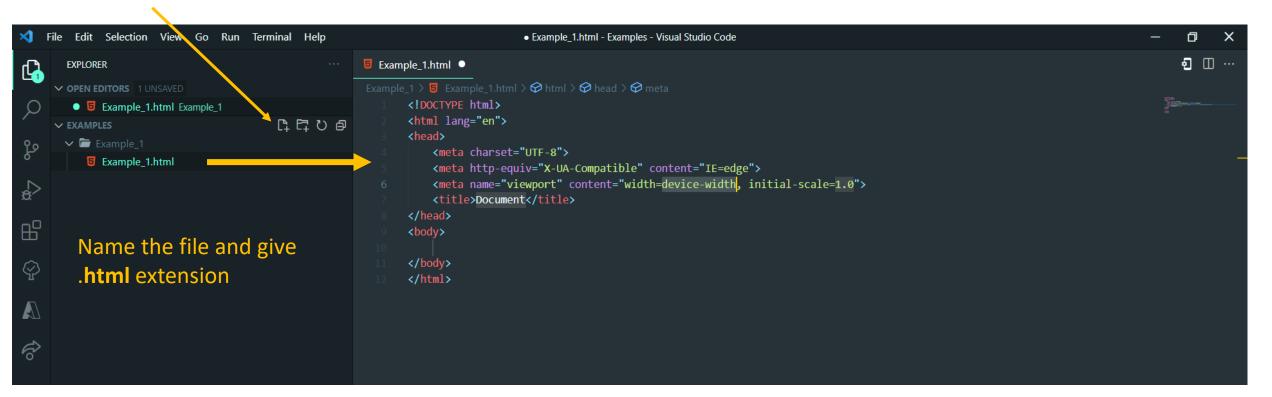




Launch the editor

- Create a folder in the location you want to save the website folder > open the VS code editor > File > open folder > choose the folder > select Folder
- Every HTML file has the extension .html

Create new File



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.



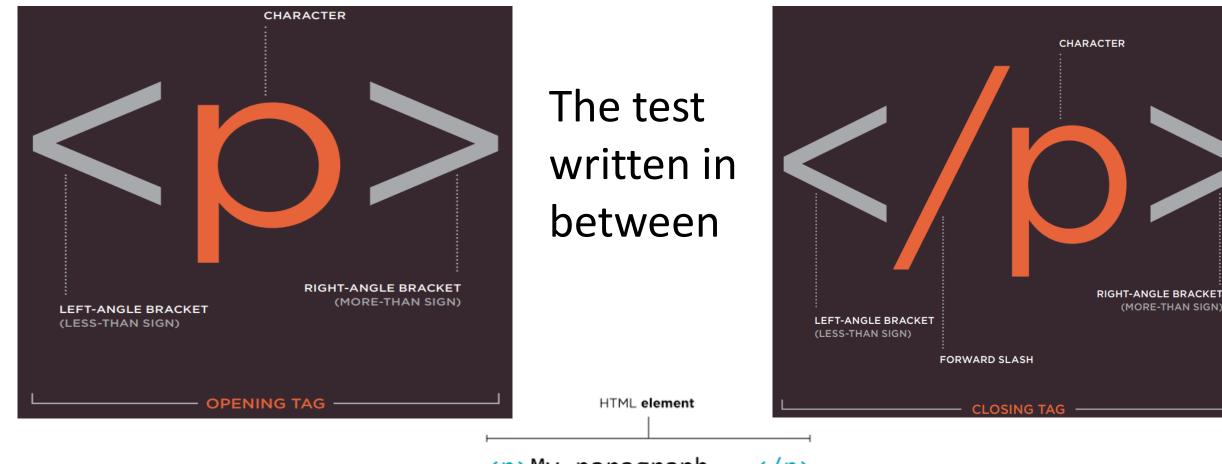


HTML Structure



HTML Elements

• The HTML element is everything from the start tag (opening tag) to the end tag (closing tag)



(MORE-THAN SIGN)

HTML Heading

- HTML headings are titles or subtitles that you want to display on a webpage.
- HTML has six "levels" of headings

<h1></h1>
<h2></h2>
<h3></h3>
<h4></h4>
<h5></h5>
<h6></h6>

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

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

HTML Heading (Example)

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Example 1</title>
</head>
<body>
    <h1>Heading 1</h1>
    <h2>Heading 2</h2>
    <h3>Heading 3</h3>
   <h4>Heading 4</h4>
   <h5>heading 5</h5>
    <h6>Heading 6</h6>
</body>
</html>
```

HTML code

Heading 1

Heading 2

Heading 3

Heading 4

heading 5

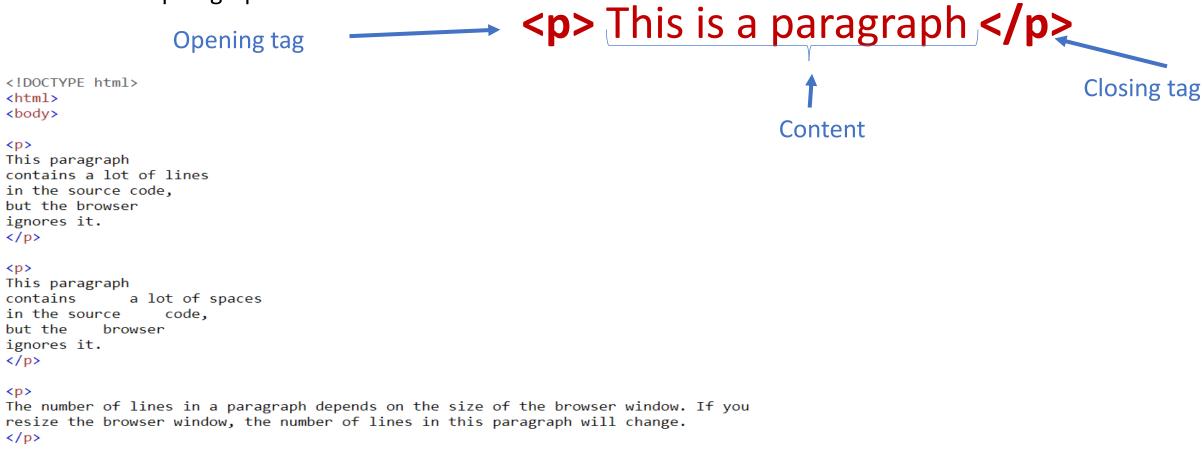
Heading 6

Result in the browser

HTML Paragraphs

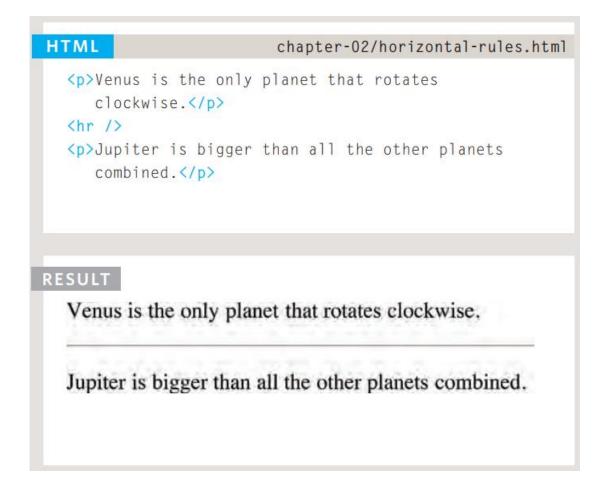
</body>

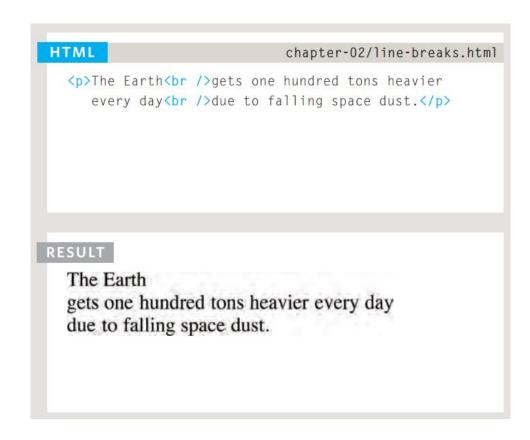
- The HTML element defines a paragraph.
- paragraph always starts on a new line, and browsers automatically add some white space (a margin) before
 and after a paragraph.



Line Breaks and Horizontal Line

•
 : to add a line break inside the middle of a paragraph you can use the line break tag





<hr /> :To create a break between themes — such as a change of topic in a book or a new scene in a play — you can add a horizontal rule between sections using the <hr /> tag.

Bold & Italic

• : By enclosing words in the tags and we can make characters appear bold

RESULT



This is how we make a word appear italic.

It's a potato Solanum teberosum.

Captain Cook sailed to Australia on the Endeavour.



This is how we make a word appear bold.

RESULT

Inside a product description you might see some **key features** in bold.

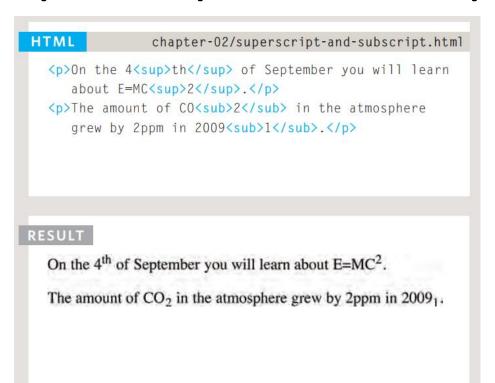
<i>: By enclosing words in the tags <i> and </i> we can make characters appear italic.

Underline

<u> : By enclosing words in the tags <u> and </u> we can make the word underlined

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
This is how we can <u>underline</u> a text.
</body>
</html>
```

Superscript & subscript



RESULT

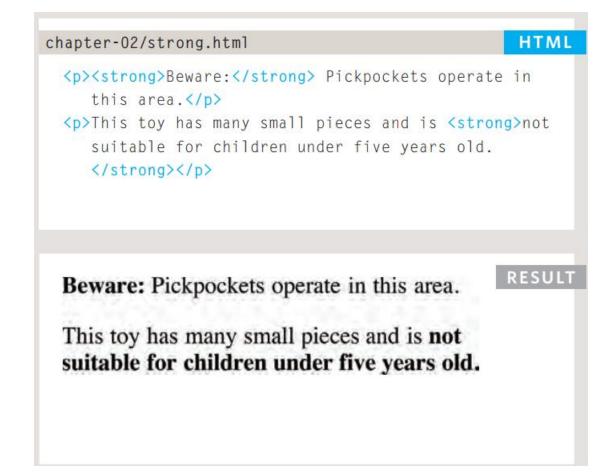
This is how we can <u>underline</u> a text.

- <sup>: <sup>: The <sup> element is used to contain characters that should be superscript such as the suffixes of dates or mathematical concepts
- <sub>: The <sub> element is used to contain characters that should be subscript. It is commonly used with foot notes or chemical formulas.

Strong & Emphasis

: The use of the element indicates
 that its content has strong importance. For example,
 the words contained in this element might be said
 with strong emphasis





 The element indicates emphasis that subtly changes the meaning of a sentence

HTML Comments

- HTML comments are not displayed in the browser, but they can help document your HTML source code
- You can add comments to your HTML source by using the following syntax:

```
<!-- Write your comments here -->
```

- Notice that there is an exclamation point (!) in the start tag, but not in the end tag.
- We can also hide more than one line, everything between the <!- and the - > will be hidden from the display

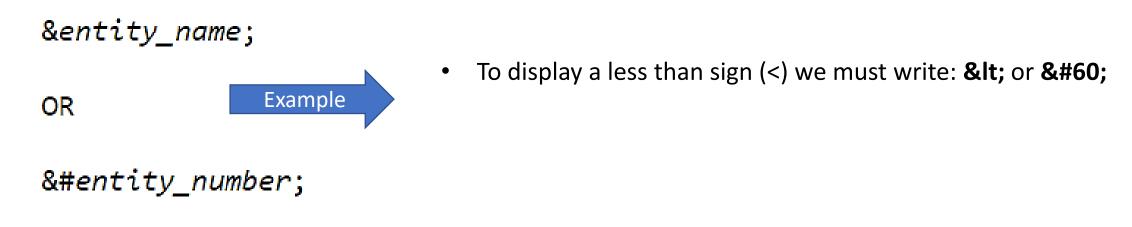
Example

```
<!-- This is a comment -->
This is a paragraph.
<!-- Remember to add more information here -->
```

```
This is a paragraph.
<!--
<p>Look at this cool image:
<img border="0" src="pic_trulli.jpg" alt="Trulli">
-->
This is a paragraph too.
```

Escape Characters

- Reserved characters in HTML must be replaced with character entities.
- If you use the less than (<) or greater than (>) signs in your text, the browser might mix them with tags.
- A character entity looks like this:



- Advantage of using an entity name: An entity name is easy to remember.
- **Disadvantage of using an entity name:** Browsers may not support all entity names, but the support for entity numbers is good.

Escape Characters

Result	Description	Entity Name	Entity Number
	non-breaking space		
<	less than	<	<
>	greater than	>	>
&	ampersand	&	&
п	double quotation mark	"	"
1	single quotation mark (apostrophe)	'	'
¢	cent	¢	¢
£	pound	£	£
¥	yen	¥	¥
€	euro	€	€
©	copyright	©	©
R	registered trademark	®	®