



华中师范大学伍伦贡联合研究院
Central China Normal University Wollongong Joint Institute



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

CSIT884 Web Development

Lecture 01 - HTML

HTML

Objectives

- Learn the HTML language to create web site
- Understand the concept of HTML tags and attributes
- Use HTML tags to format text, add graphics, create links, display tables, lists, etc

HTML

- is a markup language for describing web documents
 - used to mark parts of documents to indicate how they should appear on a display
- HTML stands for Hyper Text Markup Language
- HTML documents are described by HTML tags
- Each HTML tag describes different document content

The first HTML document

```
<html>

  <head>

    <title>Hi</title>

  </head>

  <body>

    Hello World!

  </body>

</html>
```



The first HTML document

```
<html>
```

```
  <head>
```

```
    <title>Hi</title>
```

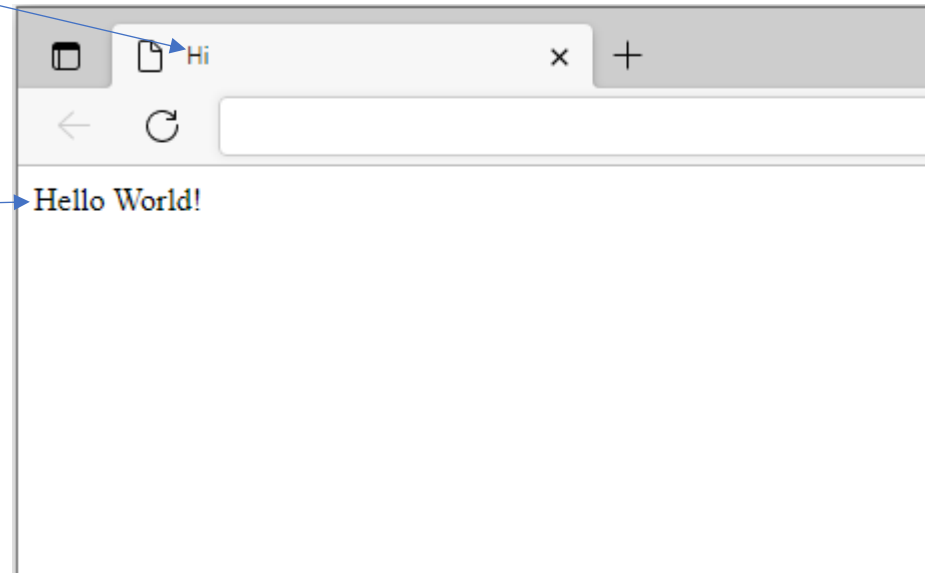
```
  </head>
```

```
  <body>
```

```
    Hello World!
```

```
  </body>
```

```
</html>
```

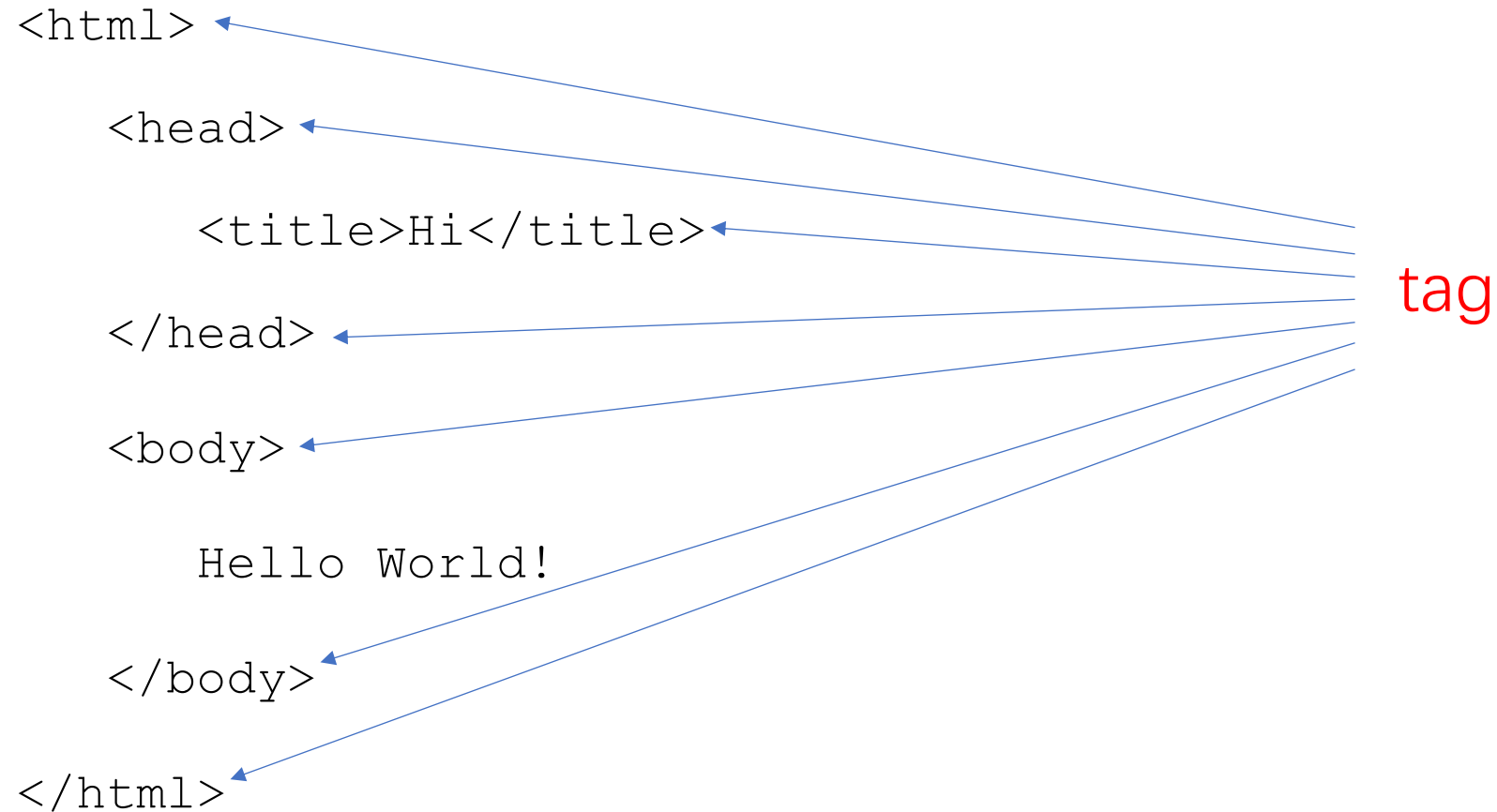


HTML document structure



- A HTML document starts with **<html>** and ends with **</html>**
- A HTML document has a **head** and a **body**
- The visible part of the HTML document is between **<body>** and **</body>**

HTML tags



HTML tags

<html>

<head>

<title>Hi</title>

</head>

<body>

Hello World!

</body>

</html>

Tags are **NOT** case sensitive

tag

Most tags go in pair

<tagname>content</tagname>

start tag

end tag

HTML tags

```
<html>
```

```
  <head>
```

```
    <title>Hi</title>
```

```
  </head>
```

```
  <body>
```

```
    Hello World!
```

```
  </body>
```

```
</html>
```

HTML **documents** are made up by HTML **elements**.

The HTML **element** is everything from the **start tag** to the **end tag**.

Where is the HTML element?

Where is the HEAD element?

Where is the BODY element?

Where is the TITLE element?

What elements does the HTML element contain?

Self-closing tag

`<tagname></tagname>`

- Sometime we have an element with no content (**an empty element**)
- With an empty element, we can combine the start-tag and end-tag into one **self-closing tag**: `<tagname />`
- Example:
 - `
` tag defines a **line break**
 - `<hr />` tag defines a **horizontal line**
 - `` tag defines an **image**

Tag attributes

```
<tagname attribute1="value1" attribute2="value2">
```

...

```
</tagname>
```

- HTML elements can have **attributes**
- Attributes provide **additional information** about an element
- Attributes are always specified in **the start tag**
- Attributes come in name/value pairs like: **name="value"**

Heading tags

`<body>`

`<h1>Heading 1</h1>`

`<h2>Heading 2</h2>`

`<h3>Heading 3</h3>`

`<h6>Heading 6</h6>`

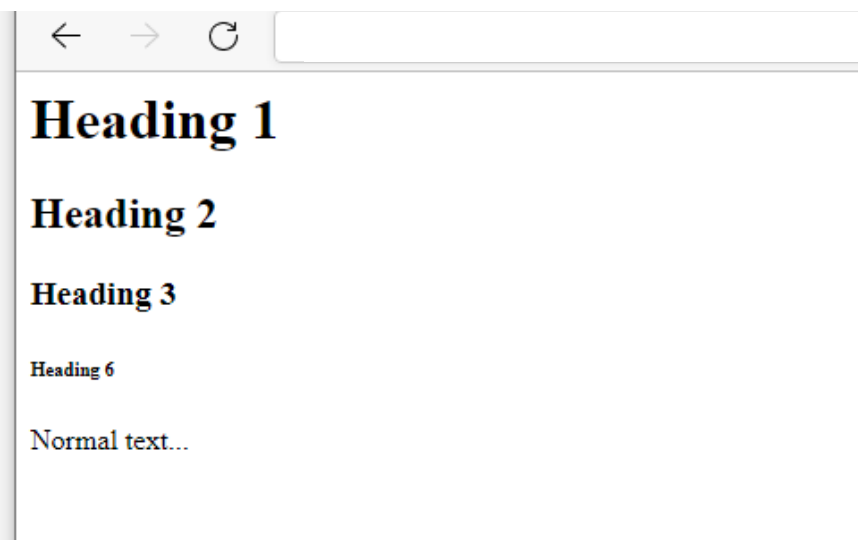
Normal text...

`</body>`

Heading tags: `<h1>`, `<h2>`, ..., `<h6>`

`<h1>` the most important heading

`<h6>` the least important heading



Unordered list

My timetable:

```
<ul>
```

```
<li>MATH222: Mon 8:30-10:30 lecture</li>
```

```
<li>CSCI204: Tue 9:30-11:30 lab</li>
```

```
<li>ISIT206: Wed 8:30-10:30 lecture</li>
```

```
</ul>
```

My timetable:

- MATH222: Mon 8:30-10:30 lecture
- CSCI204: Tue 9:30-11:30 lab
- ISIT206: Wed 8:30-10:30 lecture

Unordered list

My timetable:

``

`MATH222: Mon 8:30-10:30 lecture`

`CSCI204: Tue 9:30-11:30 lab`

`ISIT206: Wed 8:30-10:30 lecture`

``

Unordered List

List Item

My timetable:

- MATH222: Mon 8:30-10:30 lecture
- CSCI204: Tue 9:30-11:30 lab
- ISIT206: Wed 8:30-10:30 lecture

Ordered list

My timetable:

```
<ol>
```

```
<li>MATH222: Mon 8:30-10:30 lecture</li>
```

```
<li>CSCI204: Tue 9:30-11:30 lab</li>
```

```
<li>ISIT206: Wed 8:30-10:30 lecture</li>
```

```
</ol>
```

My timetable:

1. MATH222: Mon 8:30-10:30 lecture
2. CSCI204: Tue 9:30-11:30 lab
3. ISIT206: Wed 8:30-10:30 lecture

Ordered list

My timetable:

``

`MATH222: Mon 8:30-10:30 lecture`

`CSCI204: Tue 9:30-11:30 lab`

`ISIT206: Wed 8:30-10:30 lecture`

``

Ordered List

List Item

My timetable:

1. MATH222: Mon 8:30-10:30 lecture
2. CSCI204: Tue 9:30-11:30 lab
3. ISIT206: Wed 8:30-10:30 lecture

Description list

My timetable:

<dl>

<dt>MATH222</dt>

<dd>Mon 8:30-10:30 lecture</dd>

<dt>CSCI204</dt>

<dd>Tue 9:30-11:30 lab</dd>

<dt>ISIT206</dt>

<dd>Wed 8:30-10:30 lecture</dd>

</dl>

My timetable:

MATH222

Mon 8:30-10:30 lecture

CSCI204

Tue 9:30-11:30 lab

ISIT206

Wed 8:30-10:30 lecture



Description list

My timetable:

`<dl>`

`<dt>MATH222</dt>`

`<dd>Mon 8:30-10:30 lecture</dd>`

`<dt>CSCI204</dt>`

`<dd>Tue 9:30-11:30 lab</dd>`

`<dt>ISIT206</dt>`

`<dd>Wed 8:30-10:30 lecture</dd>`

`</dl>`

Description List

Description Term

Description Definition

My timetable:

MATH222

Mon 8:30-10:30 lecture

CSCI204

Tue 9:30-11:30 lab

ISIT206

Wed 8:30-10:30 lecture



Formatting text

`<i>italic text</i>
`

`bold text
`

`<mark>highlighted text</mark>
`

`deleted text
`

`<ins>inserted text</ins>`

italic text

bold text

highlighted text

~~deleted text~~

inserted text

Formatting text

`<ins>My timetable:</ins>`

``

`MATH222: Mon 8:30-10:30 <i>lecture</i>`

`CSCI204: Tue 9:30-11:30 <i>lab</i>`

`ISIT206: Wed 8:30-10:30 <i>lecture</i>`

``

My timetable:

- **MATH222:** Mon 8:30-10:30 *lecture*
- **CSCI204:** Tue 9:30-11:30 *lab*
- **ISIT206:** Wed 8:30-10:30 *lecture*

Formatting text

```
<h1>HTML <small>Small</small> Formatting</h1>
```

```
HTML <small>Small</small> Formatting
```

HTML Small Formatting

HTML Small Formatting



Formatting text

Changing font

```
<font size="1">This is the smallest size</font><br />
```

```
<font size="2">smaller than the default</font><br />
```

```
<font size="3">This is the default font size</font><br />
```

```
<font size="4">larger than the default</font><br />
```

```
<font size="5">larger than the default</font><br />
```

```
<font size="6" color="red">larger than the default</font><br />
```

```
<font size="7" color="blue">This is the largest size</font><br />
```

This is the smallest size
smaller than the default

This is the default font size
larger than the default

larger than the default

larger than the default

This is the largest size

Formatting text

<body>

Some math

$x_1^n +$

$x_2^n =$

$y_1^n +$

y_2^n

</body>

Some math $x_1^n + x_2^n = y_1^n + y_2^n$

Table

border attribute

```
<table border="1">
  <tr>
    <th>Username</th>
    <th>First name</th>
    <th>Last name</th>
  </tr>
  <tr>
    <td>jsmith</td>
    <td>John</td>
    <td>Smith</td>
  </tr>
  <tr>
    <td>mlee</td>
    <td>Mary</td>
    <td>Lee</td>
  </tr>
</table>
```

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Turn off the border
border="0"

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1">
```

```
<tr>
```

```
<th>Username</th>
```

```
<th>First name</th>
```

```
<th>Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td>jsmith</td>
```

```
<td>John</td>
```

```
<td>Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td>mlee</td>
```

```
<td>Mary</td>
```

```
<td>Lee</td>
```

```
</tr>
```

```
</table>
```

Table Row

row 1

row 2

row 3

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1">
```

```
<tr>
```

Table Row

```
<th>Username</th>
```

```
<th>First name</th>
```

Table Header

```
<th>Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td>jsmith</td>
```

```
<td>John</td>
```

Table Data

```
<td>Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td>mlee</td>
```

```
<td>Mary</td>
```

```
<td>Lee</td>
```

```
</tr>
```

```
</table>
```

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1">
```

```
  <tr>
```

```
    <td>jsmith</td>
```

```
    <td>John</td>
```

```
    <td>Smith</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>mlee</td>
```

```
    <td>Mary</td>
```

```
    <td>Lee</td>
```

```
  </tr>
```

```
</table>
```

Sometimes we do not need table header

jsmith	John	Smith
mlee	Mary	Lee

Table Data

Table

```
<table border="1" width="50%">
  <caption>User information</caption>
  <tr>
    <th width="20%">Username</th>
    <th width="40%">First name</th>
    <th width="40%">Last name</th>
  </tr>
  <tr>
    <td align="center">jsmith</td>
    <td align="right">John</td>
    <td align="right">Smith</td>
  </tr>
  <tr>
    <td align="center">mlee</td>
    <td align="right">Mary</td>
    <td align="right">Lee</td>
  </tr>
</table>
```

User information

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1" width="50%">
```

```
<caption>User information</caption>
```

```
<tr>
```

```
<th width="20%">Username</th>
```

```
<th width="40%">First name</th>
```

```
<th width="40%">Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">jsmith</td>
```

```
<td align="right">John</td>
```

```
<td align="right">Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">mlee</td>
```

```
<td align="right">Mary</td>
```

```
<td align="right">Lee</td>
```

```
</tr>
```

```
</table>
```

table caption

User information

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1" width="50%">
```

table width
within the page

```
<caption>User information</caption>
```

column width
within the table

```
<tr>
```

```
<th width="20%">Username</th>
```

```
<th width="40%">First name</th>
```

```
<th width="40%">Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">jsmith</td>
```

```
<td align="right">John</td>
```

```
<td align="right">Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">mlee</td>
```

```
<td align="right">Mary</td>
```

```
<td align="right">Lee</td>
```

```
</tr>
```

```
</table>
```

User information

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1">
```

```
<caption>User information</caption>
```

```
<tr>
```

```
<th width="150px">Username</th>
```

```
<th width="200px">First name</th>
```

```
<th width="200px">Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">jsmith</td>
```

```
<td align="right">John</td>
```

```
<td align="right">Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">mlee</td>
```

```
<td align="right">Mary</td>
```

```
<td align="right">Lee</td>
```

```
</tr>
```

```
</table>
```

column width
using pixels

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table border="1" width="50%">
```

```
<caption>User information</caption>
```

```
<tr>
```

```
<th width="20%">Username</th>
```

```
<th width="40%">First name</th>
```

```
<th width="40%">Last name</th>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">jsmith</td>
```

```
<td align="right">John</td>
```

```
<td align="right">Smith</td>
```

```
</tr>
```

```
<tr>
```

```
<td align="center">mlee</td>
```

```
<td align="right">Mary</td>
```

```
<td align="right">Lee</td>
```

```
</tr>
```

```
</table>
```

horizontal alignment

User information

Username	First name	Last name
jsmith	John	Smith
mlee	Mary	Lee

Table

```
<table width="50%" border="1">
```

```
<tr>
```

```
<td valign="top">jsmith</td>
```

```
<td>
```

```
John Smith <br />
```

```
DOB: 23/01/2000 <br />
```

```
Course code: 875
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td valign="middle">mlee</td>
```

```
<td>
```

```
Mary Lee <br />
```

```
DOB: 15/04/2001 <br />
```

```
Course code: 741
```

```
</td>
```

```
</tr>
```

```
</table>
```

vertical alignment

jsmith	John Smith DOB: 23/01/2000 Course code: 875
mlee	Mary Lee DOB: 15/04/2001 Course code: 741

Table

```
<table width="50%" border="1">
  <tr>
    <td valign="middle">jsmith</td>
    <td>
      John Smith <br />
      DOB: 23/01/2000 <br />
      Course code: 875
    </td>
  </tr>
  <tr>
    <td valign="bottom">mlee</td>
    <td>
      Mary Lee <br />
      DOB: 15/04/2001 <br />
      Course code: 741
    </td>
  </tr>
</table>
```

vertical alignment

jsmith	John Smith DOB: 23/01/2000 Course code: 875
mlee	Mary Lee DOB: 15/04/2001 Course code: 741

Table

```
<table border="1" width="40%">
```

```
  <tr>
```

```
    <td colspan="2">STUDENT DETAILS</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td width="30%">STUDENT NAME</td>
```

```
    <td>John Lee</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>STUDENT NUMBER</td>
```

```
    <td>1234567</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>UOW EMAIL</td>
```

```
    <td>jlee@uowmail.edu.au</td>
```

```
  </tr>
```

```
</table>
```

column span

STUDENT DETAILS	
STUDENT NAME	John Lee
STUDENT NUMBER	1234567
UOW EMAIL	jlee@uowmail.edu.au

Table

```
<table border="1" width="50%">
```

```
  <tr>
```

```
    <td></td>
```

```
    <td>Monday</td>
```

```
    <td>Tuesday</td>
```

```
    <td>Wednesday</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>8:30-9:30</td>
```

```
    <td rowspan="2">MATH 321 lecture</td>
```

```
    <td>INFO 104 lecture</td>
```

```
    <td>CS 222 lecture</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>9:30-10:30</td>
```

```
    <td>CS 222 Lab</td>
```

```
    <td rowspan="2">MATH 321 tutorial</td>
```

```
  </tr>
```

```
  <tr>
```

```
    <td>10:30-11:30</td>
```

```
    <td>CS 222 lecture</td>
```

```
    <td>INFO 104 tutorial</td>
```

```
  </tr>
```

```
</table>
```

row span

	Monday	Tuesday	Wednesday
8:30-9:30	MATH 321 lecture	INFO 104 lecture	CS 222 lecture
9:30-10:30		CS 222 Lab	MATH 321 tutorial
10:30-11:30	CS 222 lecture	INFO 104 tutorial	



Paragraph

<p>This is a paragraph</p>

<p>Another

paragraph</p>

<p>yet another

paragraph</p>

Extra spaces and **lines** will NOT be displayed in paragraph

This is a paragraph

Another paragraph

yet another paragraph

Line break

```
<p>This is a paragraph</p>
```

```
<p>Another <br />
```

```
paragraph</p>
```

```
<p>yet another <br />
```

```
<br />
```

```
paragraph</p>
```

`
` defines a **line break**

`
` is an **empty element**

(i.e. it is a tag with no content)

It combines the start and end tags together (self-closing)

This is a paragraph

Another
paragraph

yet another

paragraph

Horizontal line

```
<p>This    is a paragraph</p>
```

```
<p>Another <br />
```

```
paragraph</p>
```

```
<hr />
```

```
<p>yet    another <br />
```

```
<br />
```

```
paragraph</p>
```

`<hr />` is also an empty element that defines a **horizontal line**

This is a paragraph

Another
paragraph

yet another

paragraph

Non-breaking space

```
<p>This &nbsp;&nbsp;is a paragraph</p>
```

```
<p>Another <br />
```

```
paragraph</p>
```

```
<hr />
```

```
<p>yet another <br />
```

```
<br />
```

```
paragraph</p>
```

We can use ` ` for **non-breaking space**.

This is an example of **character entities**.

This is a paragraph

Another
paragraph

yet another

paragraph

Character entity

- Some characters are reserved in HTML.
- Reserved characters in HTML must be replaced with character entities

Character	Entity	Meaning
(non-breaking space)	 	Non-breaking space
<	<	Less than
>	>	Greater than
&	&	Ampersand
“	"	Double quote
‘	'	Single quote (apostrophe)
°	°	Degree
©	©	Copyright

Character entity

<body>

A HTML document starts with `<html>` and ends with `</html>`

</body>

A HTML document starts with `<html>` and ends with `</html>`

Block quotation

`<p>normal paragraph</p>`

`<blockquote>`

`<p>a paragraph in blockquote</p>`

`<p>another paragraph in blockquote</p>`

`</blockquote>`

see the difference?

normal paragraph

a paragraph in blockquote

another paragraph in blockquote

see the difference?

Preformatted text

<pre>

Mary

had a

little

lamb

</pre>

pre element is shown in monospace

It preserves the character and line spacing

```
Mary
      had a
            little
                  lamb
```

Computer code

<pre>

<code>

a = 0;

b = 3;

c = 2;

sum = a + b + c;

</code>

</pre>

```
a = 0;  
b = 3;  
c = 2;  
sum = a + b + c;
```

What if we use <code>...</code> without
<pre>...</pre>?

Computer code

<pre>

<code>

```
#include <iostream>
```

```
void main( ) {
```

```
    cout << "Hello World!" << endl;
```

```
}
```

</code>

</pre>

If you want to include special characters such as

< > & " '

within <pre> tags, they should be substituted

by **character entities** so that they are not

subject to special interpretation by the browser

```
#include <iostream>
void main( ) {
    cout << "Hello World!" << endl;
}
```

Image

```

```

Attribute	Description
src	URL of the source image e.g. src="uow-logo.png" src="images/uow-logo.png" src="http://www.mycom.au/staff.png"
alt	alt ernative text for the image
height	Optional
width	Specifies height, width for image in pixels, or in percentage

Image alt

```

```

- If a browser cannot find an image, it will display the `alt` text.
- Sometimes, to save bandwidth, user can disable image display, in this case, the `alt` text will be display.
- A screen reader is a software program that can read what is displayed on a screen which is very useful to people who are blind or visually impaired. Screen readers can read the `alt` text.



Image `src`

The URL of an image can be

- an **absolute** URL points to another website
- or a **relative** URL points to an image file within a website

Absolute URL

```
src="http://www.mycom.au/staff.png"
```

Relative URL

```
src="JI-logo.png" : the image file is in the same directory as the current html file
```

```
src="images/JI-logo.png" : the image file is in the subdirectory called images located at the same directory as the current html file
```

```
src="images/logo/JI-logo.png"
```

```
src="/../f1/bird.png"
```

Link

```
<a href="http://www.uow.edu.au" target="_blank">Visit UOW</a>
```

```
<a href="contact.html">Contact us</a>
```

```
<a href="http://uowji.ccnu.edu.cn/" target="_blank">
```

```
    
```

```
</a>
```



Link

```
<a href="http://www.uow.edu.au" target="_blank">Visit UOW</a>
```

The **href** in this example is an **absolute** URL.

If user clicks on this link, `http://www.uow.edu.au` will be opened in a new tab

target	description
_blank	open the link in a new window or tab
_self	open the link in the same frame (default)



Link

```
<a href="contact.html">Contact us</a>
```

The **href** in this example is a **relative** URL.

It is similar to the `src` attribute of the `img` tag:

```
href="contact.html"
```

```
href="assignment/a1.html"
```

```
href="../../../handout/note5.html"
```



Link

```
<a href="http://uowji.ccnu.edu.cn/" target="_blank">  
      
</a>
```

Within the link tag `<a href...> `, we can put any text or image.

In the above example, it displays an image as a link to the address

`http://uowji.ccnu.edu.cn/`



Link – target within document

Within the html document we can use the attribute **id** to mark a specific location

```
<a href="#Proofs">1 Proofs</a><br/>  
<a href="#See_also">2 See also</a><br/>  
<a href="#Notes">3 Notes</a><br/>  
<a href="#References">4 References</a><br/>  
<a href="#External_links">5 External links</a><br/>  
<h3 id="Proofs">Proofs</h3>  
...  
<h3 id="See_also">See also</h3>  
...  
<h3 id="Notes">Notes</h3>  
...  
<h3 id="References">References</h3>  
...  
<h3 id="External_links">External links</h3>  
...
```

[1 Proofs](#)
[2 See also](#)
[3 Notes](#)
[4 References](#)
[5 External links](#)

Proofs

...

See also

...

Notes

...

References

...

External links

...



Link – target within document

Within the html document we can use the attribute **id** to mark a specific location

```
<a href="#Proofs">1 Proofs</a><br/>
```

```
<a href="#See_also">2 See also</a><br/>
```

```
<a href="#Notes">3 Notes</a><br/>
```

```
<a href="#References">4 References</a><br/>
```

```
<a href="#External_links">5 External links</a><br/>
```

```
<h3 id="Proofs">Proofs</h3>
```

...

The **id** value must be unique and must contain at least one character.

The **id** value must not contain any space characters.

Link – target within document

We can create a link to a specific location within a html page

For example:

```
<a href="https://en.wikipedia.org/wiki/Euler%27s_theorem#Proofs">
```

```
Proof of the Euler theorem</a>...
```



index.html

- `index.html` is a default page for a directory
- For security reason, it is better to have `index.html` for every directory
- It stops people from knowing the content and structure of your website

For example:

If the directory `abc` has an `index.html` then when we go to

`http://the-web-address/abc`

it automatically displays the page

`http://the-web-address/abc/index.html`



Comments

```
<body>
```

```
<!-- this is
```

```
a long comment
```

```
it will not be displayed on the web page
```

```
-->
```

```
</body>
```



XHTML

- XHTML stands for **EX**tensible **HyperText Markup Language**
- XHTML is stricter than HTML

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title></title>
</head>
<body>

</body>
</html>
```

DOCTYPE (document type) and **xmlns** (XML namespace) are mandatory

XHTML

- XHTML is stricter than HTML

Elements must be properly nested

`<i>bold and italic - not nested correctly</i>`

It should be like this:

`<i>bold and italic - not nested correctly</i>`



XHTML

- XHTML is stricter than HTML

Elements must always be closed

`<p>`paragraph not closed

break not closed `
`

horizontal line not closed `<hr>`

image not closed ``

It should be like this:

`<p>`paragraph not closed`</p>`

break not closed `
`

horizontal line not closed `<hr />`

image not closed ``



XHTML

- XHTML is stricter than HTML

Elements must be in lower case

```
<HEAD>
```

```
<TITLE>Web Technologies</TITLE>
```

```
</HEAD>
```

It should be like this:

```
<head>
```

```
<title>Web Technologies</title>
```

```
</head>
```



XHTML

- XHTML is stricter than HTML

Attribute names must be in lower case

```
<img SRC="logo.png" ALT="UOW logo" />
```

It should be like this:

```

```



XHTML

- XHTML is stricter than HTML

Attribute minimization is not allowed

```
<input type="checkbox" name="subscribe" value="eletter"  
checked />
```

It should be like this:

```
<input type="checkbox" name="subscribe" value="eletter"  
checked="checked" />
```



HTML5

- version 5 of the HTML standard
- introduces new tags

`<header> <footer> <article> <section>`

`<svg> <canvas> <audio> <video> ...`

- introduces new APIs
 - Drag and Drop
 - Local Storage
 - Geolocation
 - ...



References

- <http://www.w3schools.com/html>
- <http://developer.mozilla.org/en-US/docs/Web/HTML>

