HTML and web pages: Kick-off

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Your comfort is important..

- The toilets are along the corridor outside the lecture rooms
- The rest area is where you registered
- The swivel seats are adjustable
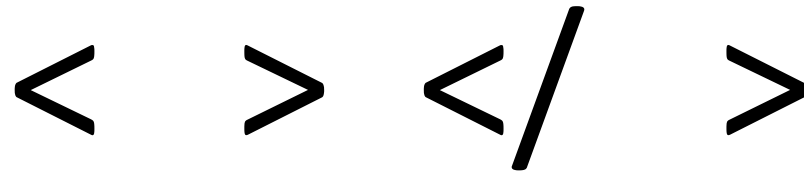- You can adjust the monitors for height, tilt and brightness

HTML and web pages: Kick-off

- Today's session:

  Activities and worked examples

  Start Codecademy online course

- Following 3 weeks:

  Continue working through online course

  Email workshop leader if you have questions

HTML what is it ...

< > </ >

HTML is a tag language that tells web browsers such as Firefox, Chrome or Internet Explorer to show web pages. It is very easy to use and you only need to know a few tags to code a simple web page.

Activity 1(a)

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>HTML and Webpages Kick-off</title>
<style>
body {
  background-color: black;
  text-align: center;
  color: white;
  font-family: Arial, Helvetica, sans-serif;
}
</style>
</head>
<body>
<h1>This is a webpage</h1>
<hr>
<p> This is some text</p>
<hr>
<hr>
</body>
</html>
```

Activity 1(b)

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>HTML and Webpages Kick-off</title>
<style>
body {
  background-color: yellow;
  text-align: left;
  color: black;
  font-family: Arial, Helvetica, comic-sans;
}
</style>
</head>
<body>
<h1>Learning HTML</h1>
<p> Getting started with HTML</p>
<hr>
</body>
</html>
```

HTML Code …..

Closing tag

Root → <html>

→ <head>

<title>HTML Basics for Fun and Profit</title>

→ </head>

→ <body>

<H1>Welcome to my first web page.</H1>

→ </body>

→ </html>

Basic Tags .....

<html> </html>

Creates an HTML document

<head> </head>

Sets off the title and other information that isn't displayed on the web page itself

<body> </body>

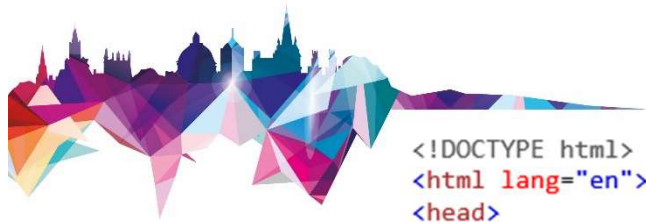Sets off the visible portion of the document

Inserting spaces...

  1 space

  2 spaces

  4 spaces

Activity 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>Your Website Title Here</title>
<style>
body {
  background-color: black;
  text-align: center;
  color: white;
  font-family: Arial, Helvetica, sans-serif;
}
</style>
</head>
<body>
<hr>
<h1>Getting Started with HTML</h1>
<h2>Find out more about HTML</h2>
<p>This is some text</p>
<p><b>This is some important text</b></p>
<p><b><i>This is some more text.</i></b></p>
<p><a href="https://www.it.ox.ac.uk/">Link to IT Services</a></p>
<h6>This is a link to the University of Oxford's IT Services website</h6>
<p>Need to get in touch? Send us an email at <a href="mailto:support@yourcompany.com">
support@yourcompany.com</a></p>
<hr>
</body>
</html>
```

Some Text Tags .....

<h1></h1>

Defines the most important heading

Defines bold text

<i></i>

Defines italic text

<h6></h6>

Defines the least important heading

Defines important text

Defines emphasized text

Adding Links ….

`<a href="URL"></a>` - Creates a hyperlink

`<a href="mailto:EMAIL"></a>` - Creates a mailto link

`<a href="URL"><img src="URL"> </a>` - Creates an image/link

`<a href="URL" target="blank"></a>` - Opens a link in a new browser window

Activity 3

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>Your Website Title Here</title>
<style>
body {
  background-color: black;
  text-align: left;
  color: white;
  font-family: Arial, Helvetica, sans-serif;
}
</style>
</head>
<body>
<hr>
<p>An ordered list:</p>
<hr>
<ol>
  <li>Oranges</li>
  <li>Lemons</li>
  <li>Bananas</li>
</ol>
<hr>
<p>An unordered list:</p>
<hr>
<ul>
  <li>Oranges</li>
  <li>Lemons</li>
  <li>Bananas</li>
</ul>
<hr>
<table>
  <tr>
    <th>Item</th>
    <th>Cost</th>
    <th>Quantity</th>
  </tr>
  <tr>
    <td>Oranges</td>
    <td>£0.50</td>
  </tr>
  <tr>
    <td>Lemons</td>
    <td>£0.60</td>
  </tr>
</table>
<hr>
</body>
</html>
```

Tables ……..

<table></table> - Creates a table

<tr></tr> - Sets off each row in a table

<td></td> - Sets off each cell in a row

<th></th> - Sets off the table header (a normal cell with bold, centred text)

Ordered Lists ……

Ordered Lists

```
<ol>
<li>This is the first</li>
<li>This is the second</li>
<li>This is the third</li>
</ol>
```

Result →

1. This is the first
2. This is the second
3. This is the third

Unordered Lists

```
<ul>
<li>Here is the first</li>
<li>Here is the second</li>
<li>Here is the third</li>
</ul>
```

Result →

- Here is the first
- Here is the second
- Here is the third

Dos and don'ts of editing HTML...

Do:

find code and edit, rather than writing it from scratch

use an HTML Checker to check your edits

use Notepad or Notepad++ when copying HTML code

Don't:

use Word to edit your HTML code or for copying code

Codecademy.com......

Introduction to HTML

In just 4 hours, learn the basics of HTML5 and start building & editing web pages.

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