



Computing Department Knowledge Organiser: Year 8 HTML

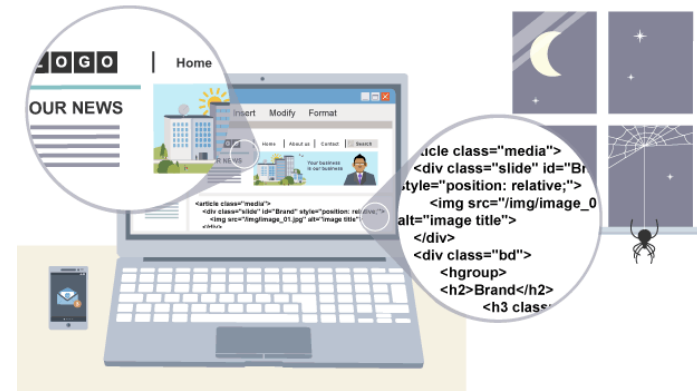
HTML - Using HTML to create websites

All web pages on the internet are created using a language called **Hypertext Markup Language (HTML)**. HTML describes:

- what information appears on a webpage
- how it appears on the page (formatting)
- any links to other pages or sites

HTML can be written in specialist software, or in a simple text editor like Notepad.

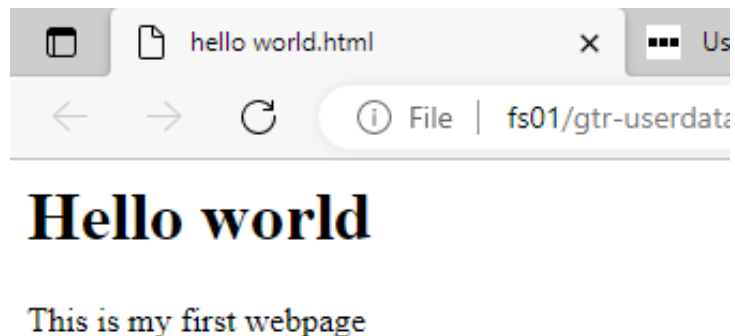
As long as the document is saved with the file extension `.html` it can be opened and viewed as a webpage from a browser.



Use the QR code to read about the internet and HTML and complete the quiz.
What was your score:/10



Example webpage created in HTML



This example HTML code used to display the message on the webpage on your left:

```
<html>
<body>
<h1>Hello world</h1>
<p>This is my first
webpage</p>
</body>
</html>
```

The code uses **tags** to describe the appearance of the information:

- `<html>` states that the document is a HTML document
- `<body>` states that the information appears in the body of the page
- `<h1>` states that the following text appears as a prominent heading
- `<p>` states that this is the beginning of a new paragraph



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HTML – What are HTML tags?

What are HTML Tags?

- HTML tags help the browser to know how to display a web page to the user.
- You need to be familiar with how Hypertext Markup Language (HTML) is used to create web pages.

Tags start like `<tagname>` and usually end like this `</tagname>` although some can self-close.

Example webpage using the tags opposite in notepad:

```
title webpage - Notepad
File Edit Format View Help
<html>
<head>
<title>Title of webpage</title>
</head>
<body>
(The content of the webpage would be added here using relevant elements)
</body>
</html>
```

There are **four critical tags** that are used to create webpages

`<html>...</html>`

The opening and closing tags of an HTML file. Tells the browser the rest of the document contains HTML tags.

`<head>...</head>`

These tags include all information about the page itself as well as links to JavaScript and CSS files. Metadata is entered here that can be indexed by search engines.

`<title>...</title>`

The text included between the opening and closing `<title>` and `</title>` tags is the title of the webpage. The title appears on browser tabs, as a page title. It is also what appears as the title of the webpage on search result pages.

`<body>...</body>`

Content within the `<body>...</body>` tags is the content that users will see on the page.

Example webpage using the HTML code on the left

```
Title of webpage
File | fs01/gtr-userdata$/HomeDrives/Staff/m.ba
(The content of the webpage would be added here using relevant elements)
```



HTML – What are other HTML tags can we use in a webpage?

Headings

Heading tags tell the browser to format the text within them in bold and a larger font size. This means that the text can then be used as a paragraph heading.

`<h1></h1>` tags produce the heading with the **largest** font size.

`<h6></h6>` tags produce the heading with the **smallest** font size.

h2, h3, h4 and h5 tags produce headings with font sizes in between h1 and h6.

Tags - Other tags you can use which tell the web browser how you want the page to be formatted:

Paragraphs - The `<p></p>` This tag makes the text one **paragraph**

Break `
 </br>` This tag gives you a break between the text

Bold text ` ` This tag gives you bold text

Emphasise (italic text) ` ` This tag gives you italic text

Underline text `<u> </u>` This tag underlines your text

How to create a list on your webpage:

` ` creates an unordered (bulleted) list

` ` creates an ordered (numbered) list

` ` adds an item to the list created

Here is an example of how you can create a **numbered list**:

```
<ol>
<li>insert text</li>
<li>insert text</li>
<li>insert text</li>
<li>insert text</li>
<li>insert text</li>
</ol>
```

Tasks:

1. What does HTML stand for? Explain what HTML does.

HTML Tag	What it does
<code><h1></h1></code>	
<code><p></p></code>	
<code></code>	
<code><u></u></code>	
<code></code>	
Can you research any other HTML tags and explain what they do?	

2. Complete this table in your home learning book:

3. Write the HTML for a website about you or something you like. Try to include: a heading; some bold text; some underlined text; some text in italics; a background colour and an image. Don't forget to close the HTML tags! </>

4. Draw what your web page will look like in a web browser.