

# HTML Introduction

(Hyper Text Markup Language)

- Used to instruct readers such as web browsers how to present, process and/ or describe how the web page will look.
- HTML uses tags to describe the content in a document.
- CCS (cascading style sheets) are now also commonly used to describe content. (will look at this later)



## What does a tag look like?

- Some tags need an opening and closing tag. The closing tag has a forward slash in front of it.

### Some first examples of tags:

```
18 <html>
19 <head>
20   <meta charset="utf-8" />
21   <meta content="width=device-width" name="viewport" />
22   <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600" rel="stylesheet" />
23   <link href="https://fonts.googleapis.com/css?family=Roboto:1,3,4,5,7,9" rel="stylesheet" />
24   <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css" rel="stylesheet" />
25 </head>
26 <body>
27   <div class="container" style="text-align: center; padding: 20px 0;">
28     <h1>Hello World!</h1>
29     <img alt="A person speaking into a microphone" data-bbox="718 228 795 261" />
30   </div>
31 </body>
32 </html>
```



1. `<html> </html>` (defines the boundaries - of the document)
2. `<body> </body>` (defines the boundaries - of the document)
3. `<p> This is a paragraph </p>`
4. ``

`<p> & </p>` - Boundaries of a new paragraph

- `img src` allows for an image to be included in a document.
- The path defines the link to the image.
- It is a special type of tag called an element it does not need a closing tag.

5. `<h1>Header Text</h1>` ← `<h1> </h1>` - large text

6. `<ol> List </ol>` ← `<ol> </ol>` - Start and stop of a numbered list

7. `<li> individual item on the list </li>` ← 

- `<li> </li>` - what is included in your list.
- One line for each item.

8. `<strong> bold text </strong>` ← 

- `<Strong> </strong>` - whatever is written in here will be in bold text.

Lets create a document that could be included in a web page using the tags we have learnt about. I like fish and chips and want my document to look like this.



Go to the Donnington Wood Jnr School WebPage. Select computing, Y6 S1 and scroll down to the link 'Try it'.

You should see this: This for the html code. This is what the page will look like.

Code:

```
<!DOCTYPE html>
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

Result:

## My First Heading

My first paragraph.

- Try changing the text then select the **submit** button.
- Change h1 to h2,h3, h4,h5,h6 what does it do?

- Try changing the text then select the **submit** button.
- Copy this line and add it underneath. Add new text select **submit** see what it does.

Now change the code as below to create a page the same as mine.

```
<!DOCTYPE html>
<html>
<body>

<h1>My Favourite Food</h1>
<p>This is what I like to eat</p>
```

```
<ol>
<li> Fish </li>
<li> Chips </li>
<li> Mushy Peas </li>
</ol>
```

Either copy the picture link from this document and paste it into the editor or type it in exactly.

```

```

This sets the size of the picture.

```
<p><strong> Delicious ! </strong></p>
<body>
</html>
```

This will be displayed if for any reason the link is not successful

If you have added the text correctly when you press submit you will see a web page the same as mine.

### Challenges:

Ok lets see if you can create your own list of favourite things.

Here are the picture links. Choose either animals, pets, food, football, computer games or sport.

Create your own list.

Try changing the size of pictures and text size. You may want more than one list.

Good luck!

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