



HTML

# HTML

You will (hopefully) learn:

HTML

About web pages

Text elements

Links

Images

Lists

Layout

HTML is ...

a markup language

(HyperText Markup Language)

HTML is ...

structural

HTML is ...

content

HTML should be ...

accessible

HTML should be ...

semantic

# Exercise 1

[edinburgh.codefirstgirls.org.uk/courses/html/sample.html](http://edinburgh.codefirstgirls.org.uk/courses/html/sample.html)

1. Go to the site above.
2. Right-click and choose View Page Source.
3. See the HTML that makes up the page.
4. Go to a website that you visit often and try the same thing.
5. There are no secrets in HTML!



# Exercise 2

<http://www.codecademy.com>

1. Go to the Codecademy site above
2. Open the HTML & CSS track
3. Go through the HTML Basics exercise
4. [Bonus] Go through the Build Your own site exercise

# HTML Structure

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>My first page</title>  
  </head>  
  <body>  
  </body>  
</html>
```

# Paragraph

```
<p>This is a single line paragraph.</p>
```

```
<p>
```

```
  This is a multi-line paragraph and so typically the  
  open and close tags are placed on a separate line  
  with the text placed in between them.
```

```
</p>
```

# Pro Tip

HTML does not care about your whitespace. If you want whitespace, you need to specifically ask for it.

# This won't work

```
<p>
```

```
  This is a single line paragraph.
```

```
  This is a multi-line paragraph and so typically the  
  open and close tags are placed on a separate line  
  with the text placed in between them.
```

```
</p>
```

# Headings

```
<h1>This is a 1st level heading</h1>
```

```
<h2>This is a 2nd level heading</h2>
```

```
<h3>This is a 3rd level heading</h3>
```

```
<h4>This is a 4th level heading</h4>
```

```
<h5>This is a 5th level heading</h5>
```

```
<h6>This is a 6th level heading</h6>
```

# Hyperlinks

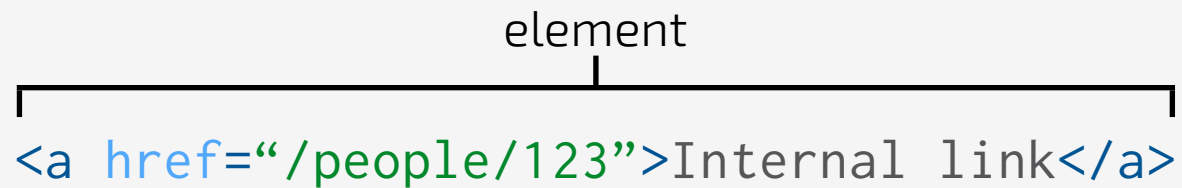
```
<a href="http://www.google.co.uk">External link</a>
```

```
<a href="/people/123">Internal link</a>
```

```
<a href="#contact-us">In-page anchor</a>
```

# Pro Tip

An HTML tag and its contents is known as an element



element

```
<a href="/people/123">Internal link</a>
```

The diagram illustrates the concept of an HTML element. A horizontal bracket is drawn above the code snippet, with a vertical line extending downwards from the center of the bracket to the word "element". The code snippet is: `<a href="/people/123">Internal link</a>`. The opening tag `<a href="/people/123">` is colored blue and green, and the closing tag `</a>` is colored blue.



# Pro Tip

An HTML element can contain one or more attributes

```
<a href="/people/123">Internal link</a>
```

attribute

href = "/people/123"

key value

# Images

```

```

```

```

# Pro Tip

You can nest tags inside one another.

```
<p>
```

```
I have a cat. The cat is lovely. Click on the  
picture of my lovely cat to have a look at more  
pictures of my lovely cat.
```

```
<a href="/pictures_of_cats">
```

```
  
```

```
</a>
```

```
</p>
```

# Exercise 3

[edinburgh.codefirstgirls.org.uk/courses/html/sample.html](http://edinburgh.codefirstgirls.org.uk/courses/html/sample.html)

1. Go to the site above.
2. Right-click the image of the cat, then select Inspect Element.
3. Using the Dev Tools, double-click inside the quotes for the src attribute and change "cat.png" to "dog.png".
4. Bask in the "I did HTML!" glory.

# Lists

```
<ul>  
  <li>This</li>  
  <li>list</li>  
  <li>is</li>  
  <li>unordered</li>  
</ul>
```

- This
- list
- is
- unordered

# Lists

```
<ol>  
  <li>This</li>  
  <li>list</li>  
  <li>is</li>  
  <li>ordered</li>  
</ol>
```

1. This
2. list
3. is
4. ordered

# Division

```
<div id="content">  
  <p>  
    This is some content.  
  </p>  
  <div class="callout">  
    <p>This is a div within a div.</p>  
  </div>  
</div>
```

# Span

```
<!--Ivana will tell you later not to do this ;) -->  
<p>  
  This is some normal text. And this is some  
  <span style="font-weight: bold;">bold text</span>.  
</p>
```



# Tables

```
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Age</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Alan Gardner</td>
      <td>38</td>
    </tr>
  </tbody>
</table>
```

# HTML

You (hopefully) learned:

About web pages

HTML

Text elements

Links

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Lists

Layout

# Pro Tip

Lorem ipsum is your friend

# Your Turn!

[edinburgh.codefirstgirls.org.uk/courses/html/exercises.html](http://edinburgh.codefirstgirls.org.uk/courses/html/exercises.html)

1. Go to the site above and follow the instructions there.