



TRAINING DRAGON WEB DESIGN

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HTML INTRO

- separation of concerns
- markup: tags and attributes
- regular tags vs self closing tags
- an html page: three main tags

SEPARATION OF CONCERNS

3 languages, 3 layers

- **HTML:** provide content
- **CSS:** add presentation (colours, fonts, sizing, content arrangement)
- **JS:** add behaviour (interactivity)

MARKUP

tags and attributes

- a markup language describes content using tags
- tags wrap or represent content
- attributes provide information about tags

tags are wrapped in angle brackets, they are written in lowercase and wrap a piece of content between an **opening** tag and a **closing** tag.

Closing tags are preceded by a forward slash

```
<opening tag>  
<test>
```

```
content  
test
```

```
</closing tag>  
</test>
```

attributes are to be written inside opening tags to provide further information about tags content

```
<tag attribute="value">      content      </tag>
  <test attr="val">         test          </test>
```


REGULAR TAGS VS SELF CLOSING TAGS

certain tags do not wrap content, but represent elements

- they are called **self-closing** tags
- they have no content
- one single tag
- they use attributes to describe the element
- they may or may not have a forward slash at the end

images are self-closing tags

```
<self-closing-tag    attribute="value" attribute="value" />  
<test attr="val" attr="val" attr="val" />  
<test attr="val" attr="val" attr="val" >
```

AN HTML PAGE: THREE MAIN TAGS

every HTML page contains 3 main tags:

- **html** wraps the whole page
- **head** wraps information about the page
- **body** wraps the content of the page

HTML is a **parent** tag and it has two **child** tags

```
<html>  
  <head>  
    <tag>content</tag>  
  </head>  
  
  <body>  
    <tag>content</tag>  
    <tag>content</tag>  
  </body>  
</html>
```

DEMO: creating a sample HTML page