

<HTML/>



#yellow
\$badge



1) Ninja must have a white belt

2) Explain briefly what HTML is?

3) Where can you write HTML?

4) Create your own HTML page including the following

*** Tags: HTML, Title, Head, Body**

*** Elements: images, lists**

*** Markup: comments**

5) Publish the page to a website using a tool of choice e.g. FTP

What is HTML?

- its the language that web developers uses to tell the browser how they'd like their web page to be displayed on the internet
- its the main language used in displaying web pages
- you could possibly think of HTML as being the skeleton behind what you see on the web.



Hypertext Markup Language

What does HTML stand for?

- Hypertext Markup Language, a used for tagging text files to achieve font, color, graphics and hyperlink effects.



- hypertext links are a way to link and access information - the term world wide web gives a hint at how the internet uses hypertext to link everything together like a spidery web of sites all over the world.

Accessing the Internet

How do we access the internet?

- we use web browsers like opera, internet explorer, safari, chrome, firefox
- all browsers contain software engines that are able to interpret html and deliver webpages onto our computer screens.



History of HTML -> Future of HTML

HTML was invented over 30 years ago by a man called tim berners lee.

- evolved and changed over time - and there's a standards body W3c.Org that meets and decides what is in and what is out

- at the moment were up to HTML5 and a big part of the latest version is defining how html is used for gaming and very importantly on your mobile phones...



`<!DOCTYPE html>` > this is a web definition that tells the browser engine its dealing with a HTML document

`<html>` > all the HTML elements are enclosed with angle brackets - we start with the HTML tag

`<head>` > the head tag is where alot of the descriptive information would go about the page e.g. if it was a minecraft page you might put in some meta keywords like gaming, minecraft, mods. this is also where you can add in important stuff like style & scripts

`<title>Asoko Ninja</title>` > for this class we'll just put in a title

`</head>`

> the body tag is the home of the content in html. its where you put all the text and images etc. which is the valuable content of the page. you can see here that you can attributes which is extra properties e.g. eye color, nose size. in this we've denoted that the background is going to be an image ninjabg1.jpg

`<body background="ninjabg1.jpg">`

`<!-- This is the start of the body of my page comment -->` > comments are a really good idea for any page you work on because while you might know what your page is about at the time your working on it. what happens in 6 months when you come back to it again and its really hard to know what all the code is about.

`</body>`

`</html>`

Lets give it a go...

- 1) open up your editor notepad, notepad++
- 2) type in the tags as we described (remember the case of the letters and spacing)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Asoko Ninja</title>
  </head>
  <body background="ninjabg1.jpg">
    <!-- This is the start of the body of my page comment -->
  </body>
</html>
```

- 3) save as myname.html in the content folder. (notepad -save as type all file types, notepad++ save as html) saving it in the same directory as the image ninjabg1.jpg is important because if you do not put a location path for the file then the browser will look in the same directory for the files.

An important lesson...

> Now for a very important lesson - if you look in the browser at the page www.coderdojoport.com/HTML/html_2.html

you can right click on the page and click view source.

> This works on all websites and it means that if your curious how sites carried out their magic you can view their source and see how they've designed their page.

HTML IDs, Hyperlinks & Lists...

< Ordered lists and unordered lists are a good way of formatting things like a list of hobbies or websites - the tag is for the list items

< The id attribute becomes very important when we start to work with javascript and css. It gives the webpage a way of applying scripts/styles to specific elements on the page.

```
<ul id="lstHobbies">
```

```
<li><a href="http://coderdojoport.com/belts.html">CoderDojo</a></li>
```

```
<li><a href="http://minecraft.net/">Minecraft</a></li>
```

```
<li><a href="http://scratch.mit.edu/users/coderdojoport">Scratch</a></li>
```

```
</ul>
```

< hyperlinks are one of the key pieces of the internet. You can see the structure of the element - the <a> tag has a href attribute which tells the browser where the link is pointing to. everything enclosed in the <a> tag becomes a hyperlink including the text or images.

> This page is viewable at www.coderdojoport.com/HTML/html_3.html

> View the source and see if you can change the hobbies

Publishing your HTML page with FTP

- > We're using FileZilla to FTP our local files up to our site www.coderdojoport.com. FTP is an internet transfer protocol.
- > Pick your ninja folder and then publish your file to it.
- > The final version of the HTML page is www.coderdojoport.com/HTML/html.html. Feel free to copy/play with it.

Host: Username: Password:

Local site: C:\Users\mark\Desktop

Remote site: /ninja1

if your webpage is kris.html and its saved on the desktop then go to here on the local site.

if you are ninja1 then select the ninja1 folder from the list

Filename	Filesize	Filetype	Last modified
..			
desktop.ini	282	Configuration ...	3/9/2013 1:33:09 PM
Dropbox.Ink	1,335	Shortcut	1/18/2013 10:46:51...
Git Shell.Ink	2,173	Shortcut	1/18/2013 10:47:29...
GitHub - 1 .appr...	308	ClickOnce App...	1/18/2013 10:46:29...
GitHub.appref-ms	308	ClickOnce App...	1/4/2013 11:44:27 ...
inSSIDer.Ink	3,027	Shortcut	
kris.html	76	HTML File	
littleNinja.jpg	4,689	JPEG image	

double click on the files you have made to upload them to the website

Filename	Filesize	Filetype	Last modified	Permissions	Ow
..					
kris.html	221	HTML File	3/9/2013 12:38:...		
littleNinja.jpg	4,689	JPEG image	3/9/2013 12:01:...		

Selected 2 files. Total size: 4,765 bytes

2 files. Total size: 4,910 bytes