**Some Introductory CSS Exercises**

These exercises are intended to give you a hands-on introduction to CSS. You start with some ready-made files and alter them.   
Little or no 'tuition' is included. The principle is that you do an exercise, look at what you have done, and develop understanding.

**The Exercises**

* These exercises (with some further exercises) will create a site containing translations of the poem Jabberwocky.
* The presentation of the site will be controlled by a CSS file.

**Doing the exercises**

* Work with the CSS file open in a text editor and the HTM file open in a browser window.
* After each amendment to the CSS file, Save the changed file and then Refresh and view the HTM file in the browser.
* If the changes have not had an effect, find out why (e.g. is the syntax correct?)

**Before you Start (Important)**

**Basic CSS rule syntax:**

**selector { property: value}**

e.g.  body **{** color**:** black **}**    /\* foreground (text) colour set to black for page \*/

**selector { property: value; property: value}**

e.g.  body **{** color**:** black**;** background-color**:** tan **}**    /\* and background colour set to tan for page \*/

**selector, selector { property: value}**

e.g.  h1**,** h2**,** h3 **{** color**:** maroon **}**    /\* headers h1, h2 and h3 set to maroon \*/

**Go to**[**www.w3schools**](http://www.w3schools.com/css/css_syntax.asp)**and get to know what is there.**

The w3schools site will be a primary resource for you when you design and create web pages.

* **Read the stuff explaining what CSS is, how it works, the syntax used, etc.**
* Have a look round the various pages in the site;
* Familiarize yourself with what is there. Especially css syntax.
* **Note the left hand column of links in the site**.

**Exercise 1**

1. In your file area create a folder/directory with the name ‘Jabberwocky’.
2. Copy [files1.zip](http://www.cems.uwe.ac.uk/~tdrewry/css/files1.zip) from SharedStudents\Computing\Jabberwocky\_Html and unzip its contents into the folder ‘Jabberwocky'.

(If the file does not automatically open in WinZip, Unzip the file by double clicking on it, selecting 'Extract', and choosing the target folder.)  
You should end up with the following files in your Jabberwocky folder:

Jabberwocky.css  
Jabberwocky.htm  
JabberwockyFrench.htm  
backtile.gif  
jabber2.gif

1. Open the file ‘Jabberwocky.htm’ in a Browser window.
2. Open the files ‘Jabberwocky.htm’ and ‘ Jabberwocky.css’ in a text editor.
3. Study the files ‘Jabberwocky.htm’ and ‘Jabberwocky.css’ in the text editor.
4. Look at the ‘Jabberwocky.htm’ in the browser.
5. Use the link at the top of the Jabberwocky page to go to the ‘In French’ file.

**Exercise 2**

In the English version, why are the last 5 verses shown differently from the first two verses?

1. Edit ‘Jabberwocky.htm’ so that the last 5 verses have the same appearance as the first two verses.  
   (Hint: <p class="verse">)
2. Save the file and check out the result ('Refresh' the file in the browser  
   - check out both the English and French versions).

**Exercise 3**

**Experiment with the css file.** For example:

1. Change the line: ‘**body {background-color: tan}**’ to read: ‘**body {background-color: aqua}**’
2. (*Save the changed file and look at the result in ‘Jabberwocky.htm’ in the browser – check out the ‘In French’ file*.)
3. Experiment with changing other color attributes in the css file;  
   e.g. Change the Anchor tag attributes to a set of colors you prefer.  
   (Anchors = hotspot/link tags = ‘**<a>**’)

(Don’t forget to Save the css file before Refreshing the Browser file.)

**Exercise 4**

*After any change in the css file, always check out the result in both the English and French versions in the Browser*

1. In the css file, - under the comment ‘/\* Divs \*/’ - insert the line:  
   **div.reference {color:slategray; margin-left: 40px}**  
   (Note the need for a semicolon in between the *property – value* pairs)
2. Insert an appropriate css rule under /\* Paragraphs \*/ to change the colour and position of paragraphs with the class ‘*comment*’.  
   (Hint: <p.comment: >)
3. Insert a css rule under /\* Headers \*/ to change the colour and position of **h2** elements.

**Exercise 5**

* Change the**hr** rule so that the height of the line is altered, (e.g. **height: 10px**)
* Change the **hr** rule back to something suitable.

(Note that ‘**hr**’ is not really necessary any more. Lines of various types, lengths, and styles can be created using top or bottom ‘border’ attributes for appropriately placed elements.)

**Exercise 6**

* Change the body rule in the css file so that it reads:

**body {  
background-color: tan;  
background-image: url('jabber2.gif');**/\* note the 'quotes' around the file name \*/ **background-position: center right;**/\* vertical center, horizontal right \*/ **background-repeat: no-repeat;  
background-attachment: fixed**/\*does not scroll \*/ **}**

* Check out both the French and English files in the browser.
* Edit appropriate css rules to ensure that the different elements (e.g. the **hr** lines) do not write over the image.  
  (The image is 304 pixels wide. Hint: *margin-right* property)

**Exercise 7**

* Edit the **h1** rule as follows:

**h1 {  
color:maroon;  
font-size:20pt;  
padding: 10px 10px 10px 10px;**/\* top-right-bottom-left \*/ **background-color: white;  
border-style: groove double;  
border-color: blue;  
border-width: 10px;  
}**

* Add a **text-align:center;** property to the above **h1** rule
* Use a **margin-right** property in the above **h1** rule; e.g. **margin-right: 500;**
* Use **backtile.gif** as the **background-image** in the **h1** rule  
  (Hint: see Exercise 6 above)

**Some Introductory CSS Exercises - a Navigation Menu**

In earlier exercises, you:

1. Created a directory with the name ‘Jabberwocky’.
2. Edited Jabberwocky.css

The Exercises

The following exercises will use the css file to create a *site navigation system* in a set of pages containing various translations of the poem Jabberwocky.

*After you have made any change in the css file or html files always check out the results in the Browser*

**Start up**

1. Download [files2.zip](http://www.cems.uwe.ac.uk/~tdrewry/css/files2.zip) and Unzip the files into the ‘Jabberwocky’ directory.
2. Open the files ‘Jabberwocky.htm’, ‘JabberwockyFrench.htm’, and ‘Jabberwocky.css’ in a text editor.
3. Open the files ‘Jabberwocky.css’, ‘Jabberwocky.htm’ and ‘JabberwockyFrench.htm’ in a Browser.

**Exercise 8**

**(Note that in this exercise you edit the English and French HTML pages)**

* **In the ‘Jabberwocky.htm’ file (at the top) remove the following**

**<p>  
In <a href="JabberwockyFrench.htm">French</a>  
<hr />  
</p>**

* **and replace it with:**

**<div id="navigation">  
<ul>  
<li><a href="Jabberwocky.htm" id="English\_nav">English</a> </li>  
<li><a href="JabberwockyFrench.htm" id="French\_nav">French</a> </li>  
<li><a href="JabberwockyGerman.htm" id="German\_nav">German</a> </li>  
<li><a href="JabberwockySpanish.htm" id="Spanish\_nav">Spanish</a> </li>  
<li><a href="JabberwockyJapanese.htm" id="Japanese\_nav">Japanese</a> </li>  
</ul>  
</div>**

* **Do the same for the ‘*In English*’ link in ‘JabberwockyFrench.htm’.**
* **Check out the results. (The German, Japanese and Spanish files have already had this navigation code inserted.)**

**\* Note that each link in the navigation code has been given a unique id property.**

**Otherwise this is straightforward html list code – inside a <div id ="navigation">.**

**Exercise 9**

* Under **/\* Navigation \*/** in the css file, insert the following rule:

**#navigation ul {  
margin: 0;** /\* removes indent IE and Opera \*/ **padding: 0;**/\* removes indent Mozilla and NN7 \*/ **list-style-type: none;** /\* turns off display of bullet \*/ **}**

* Check out the result in the different Jabberwocky translations

**Exercise 10**

* Add the following rule to the **/\* Navigation \*/** area of the css file:
* **#navigation li { display: inline; }**
* Check out the result in the different Jabberwocky translations