

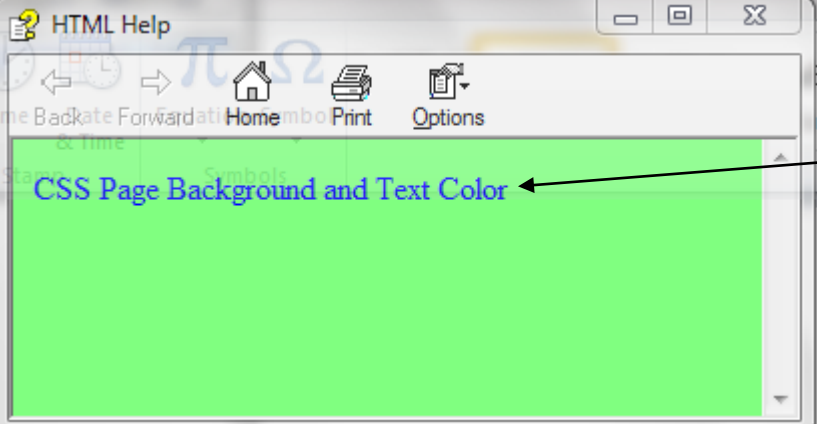
## TOOLS REQUIRED (You can use any of the following tools)

- HTML Help Workshop
- HTML-Kit 292 (Free)
- eBook - HTML, XHTML, and CSS Complete, 6 edition. Chapters 5 to 8.

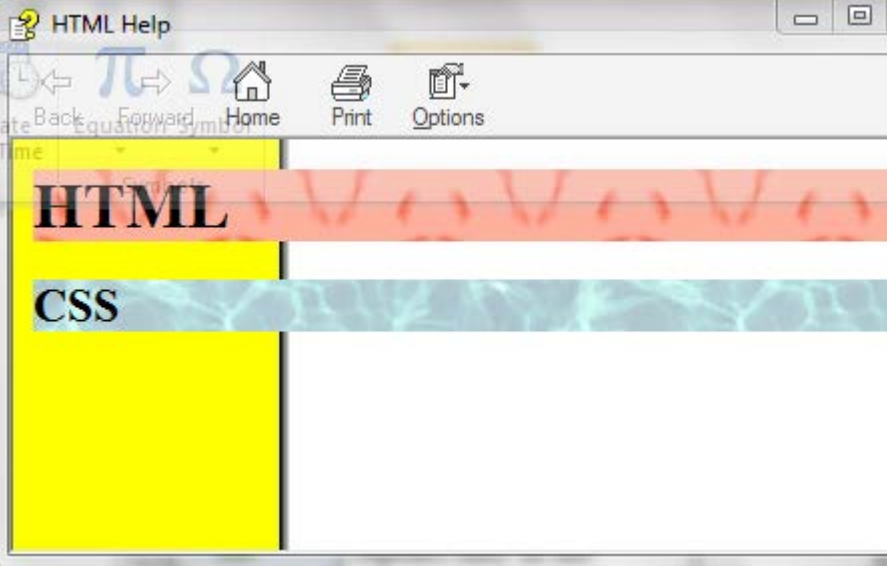
### Lab 2 Cascading Style Sheets (CSS)

At the end of this practical, you should have learnt how to use style sheets to format a HTML document.

#### 1. CSS background color and text color

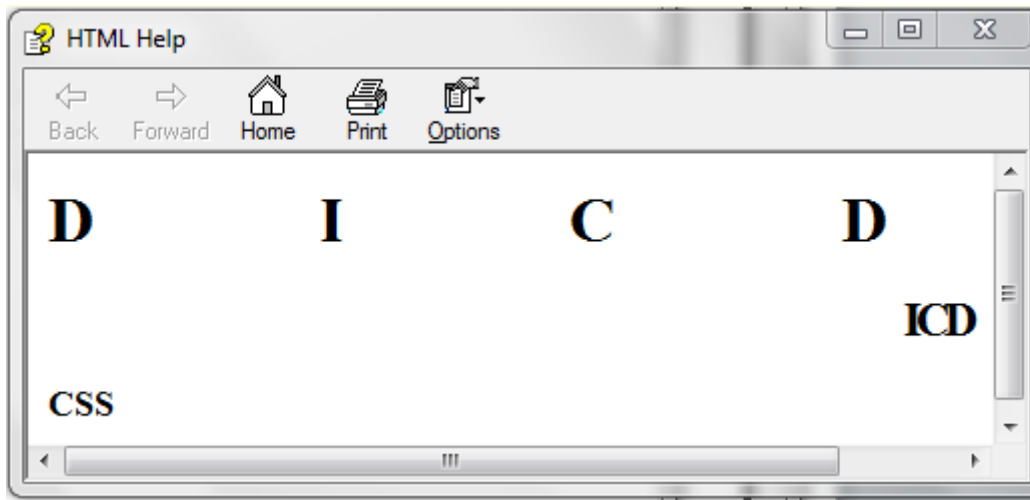
	<ul style="list-style-type: none"><li>• Page background color has RGB value (128,255,128)</li><li>• Text color is blue</li></ul>
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#### 2. CSS background image

	<ul style="list-style-type: none"><li>• Download the images from BlackBoard.</li><li>• Document background image is <i>bg.jpg</i> and repeats only in the vertical direction</li><li>• Use &lt;h1&gt; to format the word “HTML”.</li><li>• Use &lt;h2&gt; to format the word “CSS”</li><li>• All &lt;h1&gt; tags have a background image of <i>bg1.jpg</i></li><li>• All &lt;h2&gt; tags have a background image of <i>bg2.jpg</i></li></ul>
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### 3. CSS text alignment and letter spacing

Use an **external** stylesheet named “q3.css” and link it to your page to produce the following:



<ul style="list-style-type: none"><li>• DICD is rendered in &lt;h1&gt;</li><li>• ICD is rendered in &lt;h2&gt;</li><li>• CSS is rendered in &lt;h3&gt;</li></ul>	<p>css should contain the following CSS definitions:</p> <table border="1"><thead><tr><th>Name</th><th>Properties</th></tr></thead><tbody><tr><td>h1</td><td><ul style="list-style-type: none"><li>▪ text aligns to center</li><li>▪ letter spacing is 3 cm</li></ul></td></tr><tr><td>h2</td><td><ul style="list-style-type: none"><li>▪ text aligns to right</li><li>▪ letter spacing is -3 pixels</li></ul></td></tr><tr><td>h3</td><td><ul style="list-style-type: none"><li>▪ text aligns to left</li><li>▪ uses default letter spacing</li></ul></td></tr></tbody></table>	Name	Properties	h1	<ul style="list-style-type: none"><li>▪ text aligns to center</li><li>▪ letter spacing is 3 cm</li></ul>	h2	<ul style="list-style-type: none"><li>▪ text aligns to right</li><li>▪ letter spacing is -3 pixels</li></ul>	h3	<ul style="list-style-type: none"><li>▪ text aligns to left</li><li>▪ uses default letter spacing</li></ul>
Name	Properties								
h1	<ul style="list-style-type: none"><li>▪ text aligns to center</li><li>▪ letter spacing is 3 cm</li></ul>								
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h3	<ul style="list-style-type: none"><li>▪ text aligns to left</li><li>▪ uses default letter spacing</li></ul>								

### 4. CSS font properties

Use an **external** style sheet named “q4.css” to produce the following web page.

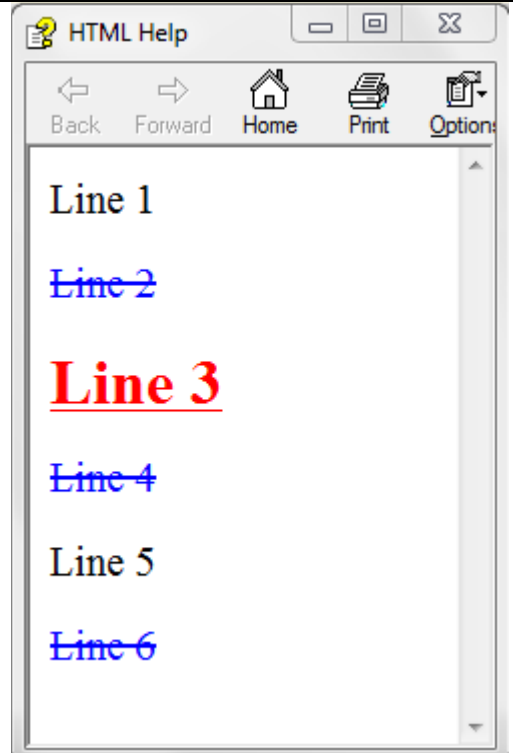
- “Line 1” is a regular paragraph.
- “Line 2” is a paragraph of class “style1”
- “Line 3” is a paragraph of class “style2”

q4.css should contain the following CSS definitions:

Name	Type	Properties
p	tag	<ul style="list-style-type: none"><li>▪ 15 pt “Comic Sans MS” font</li></ul>
style1	class	<ul style="list-style-type: none"><li>▪ italic</li></ul>
style2	class	<ul style="list-style-type: none"><li>▪ font weight 900</li><li>▪ 30 pixels “Courier New” font</li></ul>

## 5. CSS text decoration

Use an external style sheet named “q5.css” to produce the following web page.



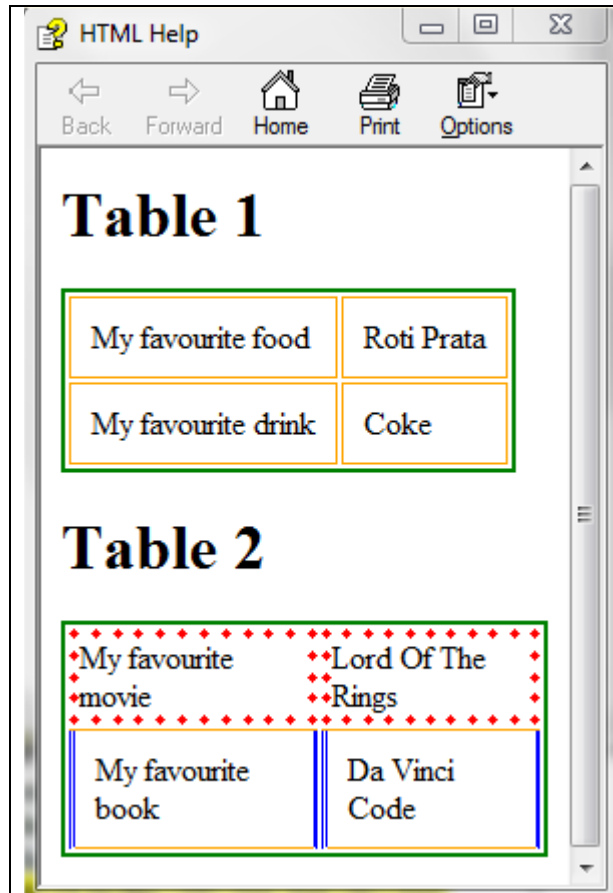
- “Line 1” and “Line 5” are regular paragraphs.
- “Line 2”, “Line 4” and “Line 6” are paragraphs of class “style1”
- “Line 3” is a <h1> tag with id “header”

q5.css should contain the following CSS definitions:

Name	Types	Properties
P	tag	▪ 16 pt Times New Roman font
style1	class	▪ blue in color ▪ line-through
header	id	▪ red in color ▪ underline ▪ italic ▪ font weight is bold

## 6. CSS borders and padding

Use an external style sheet named “q6.css” to produce the following web page.



Create 2 tables of 2 rows and 2 columns:  
For **Table 2**

- Row 1 is of class “c1”
- Row 2 is of class “c2”

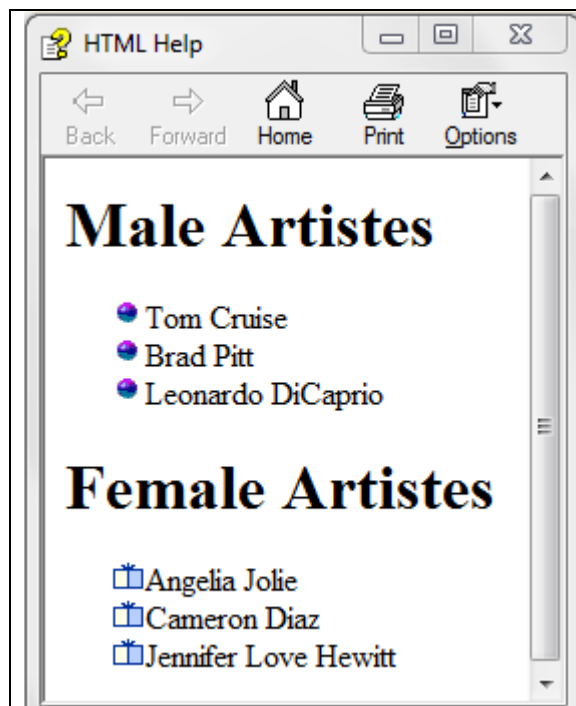
*q6.css* should contain the following CSS definitions:

**Apply c1 to the <td> tag, not <tr> tag!**

Name	Type	Properties
table	tag	▪ solid 2px green border
td	tag	▪ solid 1px orange border ▪ 10 px padding
c1	class	▪ Has red 5px dotted borders ▪ padding of 0 px
c2	class	▪ Left and right borders are blue, double and 3px ▪ No top and bottom borders

## 7. CSS Lists

Use an external style sheet named “q7.css” to produce the following web page.



Download the bullet images b1.gif and b2.gif from BlackBoard.

Create 2 unordered lists as shown.

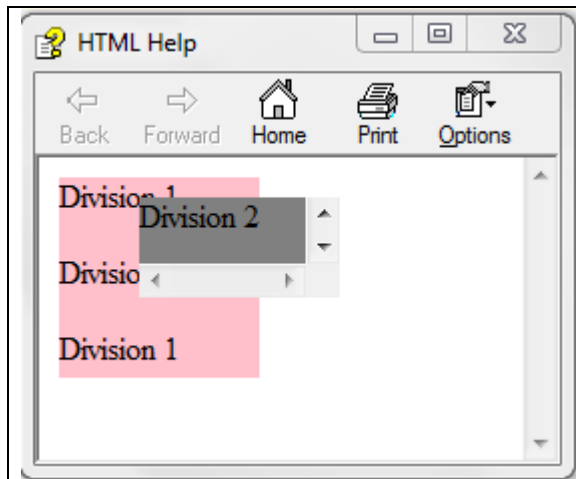
- The male artistes list is of class “c1”
- The female artistes list is of class “c2”

*q7.css* should contain the following CSS definitions:

Name	Type	Properties
c1	class	▪ Uses b1.gif as list image
c2	class	▪ Uses b2.gif as list image

## 8. CSS Positioning, Cursors and Scrolling

Use an external style sheet named “q8.css” to produce the following web page.



```
<body>

<div class="div1">
Division 1<p/>Division 1<p/>Division 1<p/>
Division 1<p/>Division 1<p/>Division 1<p/>
Division 1<p/>Division 1<p/>Division<p/>
</div>

<div class="div2">
Division 2<p/>Division 2<p/>Division 2<p/>
Division 2<p/>Division 2<p/>Division 2<p/>
Division 2<p/>Division 2<p/>Division 2<p/>
</div>

</body>
```

Create 2 <div> tags using the HTML code on the left

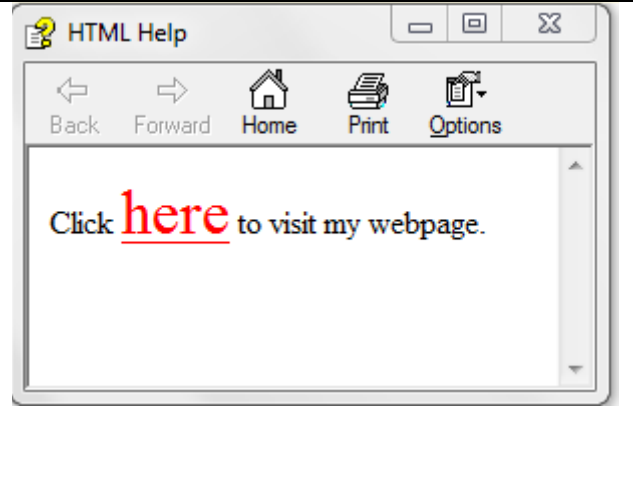
Format the 2 <div> tags with these CSS styles in q8.css

Name	Type	Properties
div1	class	<ul style="list-style-type: none"><li>▪ uses absolute position</li><li>▪ left position is 10 and top position is 10</li><li>▪ width and height 100px.</li><li>▪ background color is pink</li><li>▪ text is hidden when text overflows.</li><li>▪ uses the <b>move</b> cursor</li></ul>

Name	Type	Properties
div2	class	<ul style="list-style-type: none"><li>▪ uses absolute position</li><li>▪ left position is 50 and top position is 20</li><li>▪ width is 100px, height is 50 px</li><li>▪ background color is gray</li><li>▪ text automatically scrolls when overflow</li><li>▪ uses the <b>pointer</b> cursor</li></ul>

## 9. CSS Hyperlinks

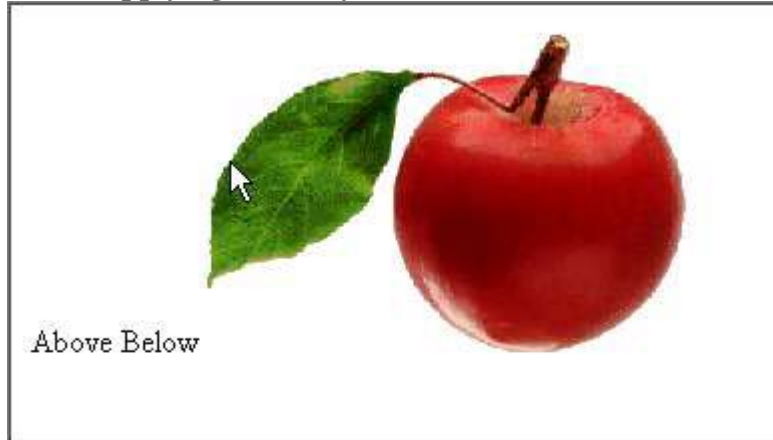
Use an external style sheet named “q9.css” to produce the following web page.

	<p><i>q9.css</i> should contain the following CSS definitions:</p> <table border="1"><thead><tr><th>Name</th><th>Type</th><th>Properties</th></tr></thead><tbody><tr><td>a:link</td><td>pseudoclass</td><td><ul style="list-style-type: none"><li>▪ red color</li><li>▪ font size increases to twice its size</li><li>▪ underline</li></ul></td></tr><tr><td>a:visited</td><td>pseudoclass</td><td><ul style="list-style-type: none"><li>▪ pink color</li><li>▪ line-through</li></ul></td></tr><tr><td>a:hover</td><td>pseudoclass</td><td><ul style="list-style-type: none"><li>▪ background-color becomes orange</li></ul></td></tr><tr><td>a:active</td><td>pseudoclass</td><td><ul style="list-style-type: none"><li>▪ font size decreases to half its size</li></ul></td></tr></tbody></table>	Name	Type	Properties	a:link	pseudoclass	<ul style="list-style-type: none"><li>▪ red color</li><li>▪ font size increases to twice its size</li><li>▪ underline</li></ul>	a:visited	pseudoclass	<ul style="list-style-type: none"><li>▪ pink color</li><li>▪ line-through</li></ul>	a:hover	pseudoclass	<ul style="list-style-type: none"><li>▪ background-color becomes orange</li></ul>	a:active	pseudoclass	<ul style="list-style-type: none"><li>▪ font size decreases to half its size</li></ul>
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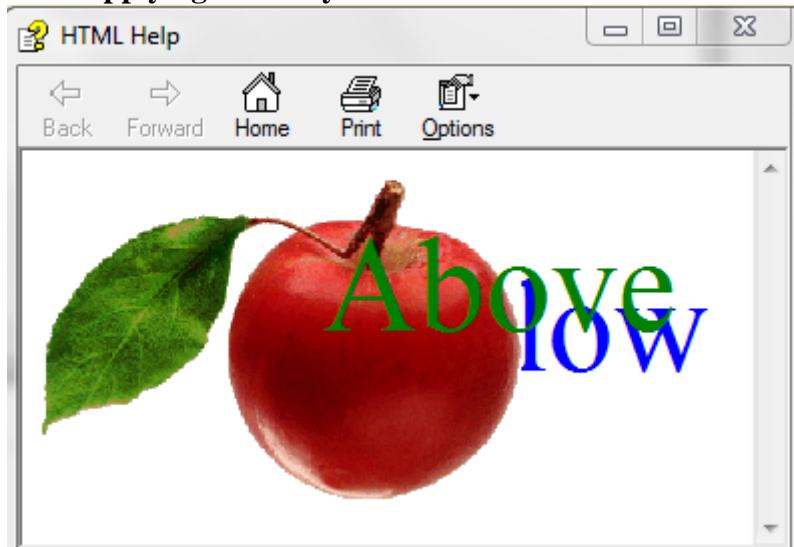
## 10. CSS z-index

Use inline styles to produce the following web page.

### Before applying inline styles:



### After applying inline styles:



First, create a webpage with the following HTML code. The apple image can be downloaded from BlackBoard.

```
<html>
<head>
</head>

<body>

<span>Above</span>
<span>Below</span>


</body>
</html>
```

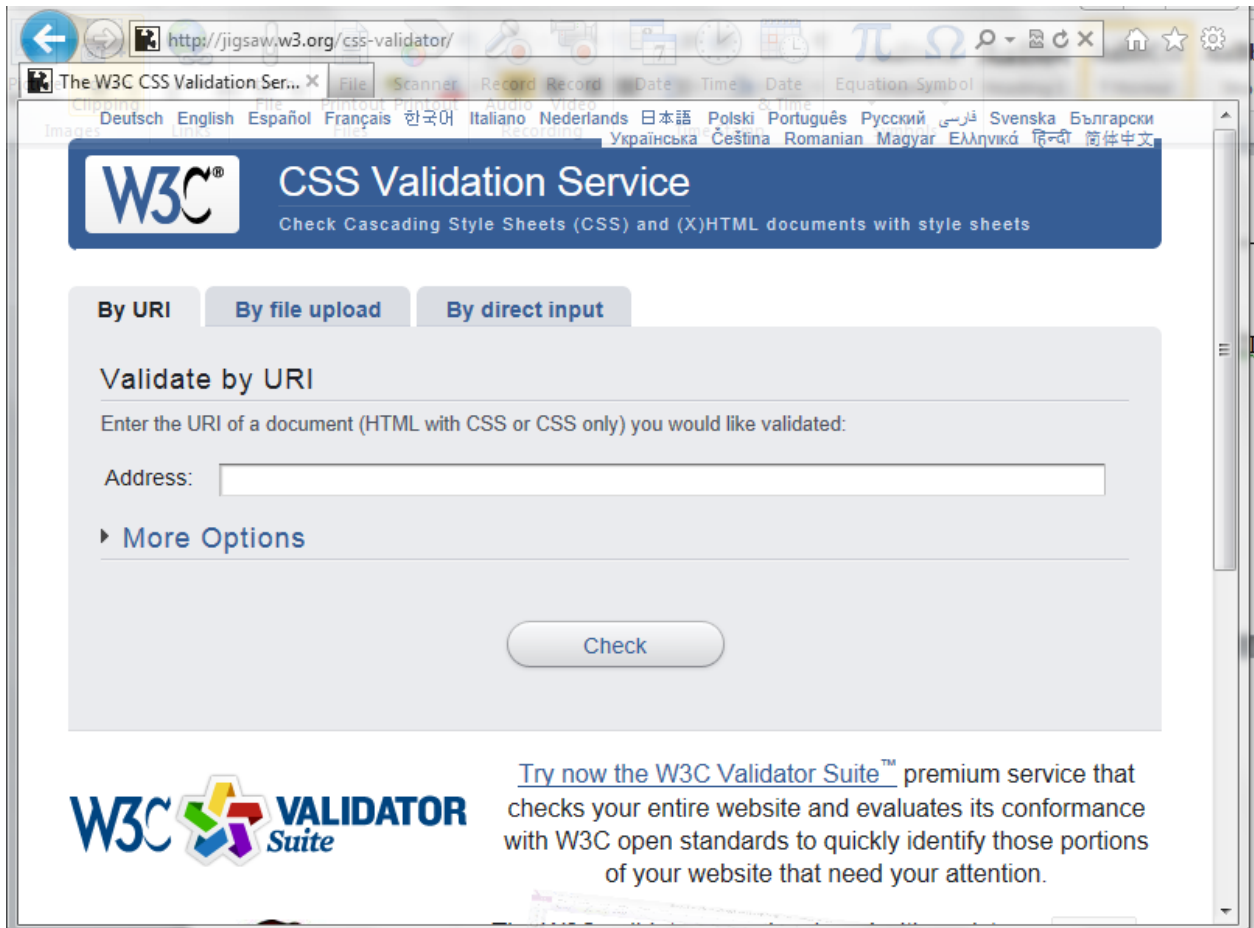
The following *inline styles* should be applied to each of the elements as below:

Name	Properties
image	▪ z-index is -1
Above	▪ font-size:50pt ▪ z index:0 ▪ left:150, top:30 ▪ color:green
Below	▪ font-size:50pt ▪ z-index is - 2 ▪ left:170, top:50 ▪ color:blue;

Note: All use **absolute position**.

## 11. XHTML Transitional 1.0 compliant

Create a HTML5 webpage that is XHTML Transitional 1.0 compliant (using the !DOCTYPE tag) and validate it using the W3C CSS validation service at <http://jigsaw.w3.org/css-validator/>.



## 12. Create your own personal style sheet

Create an external style sheet named “**mystyle.css**” and apply it to any html files (including your CV created in Lab 1) used in the lab.

## 13. Download Lab2 Files from BB

Open HTML, XHTML, and CSS Complete, 6 edition eBook and go to the appropriate chapters (chapter 5 to 8) for reference. You may use HTML-Kit to test HTML & CSS programming examples used in the book.

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