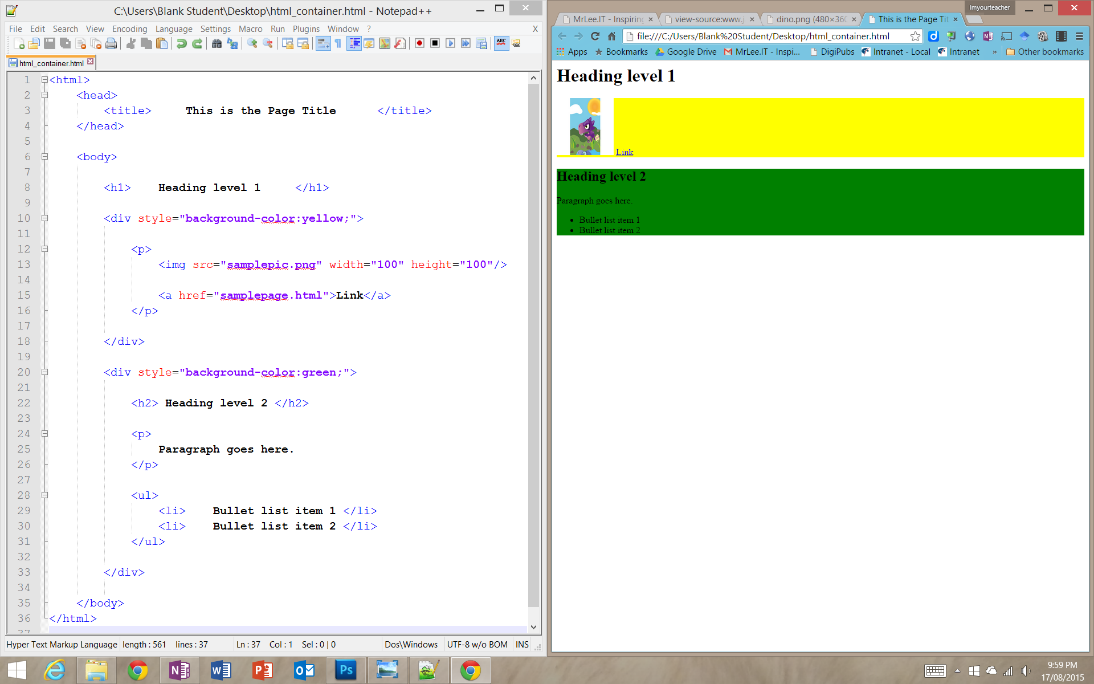
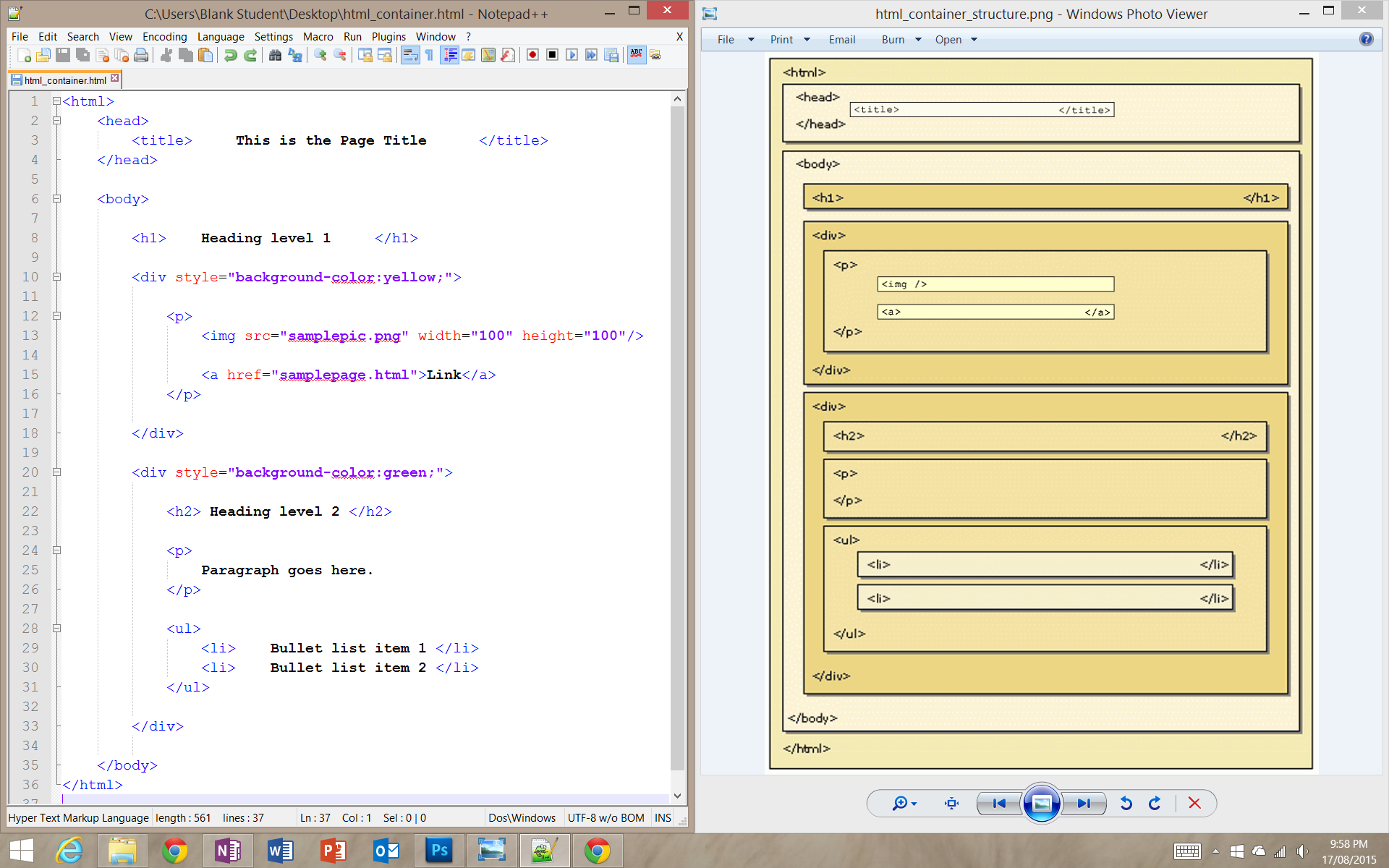
**Building a website with basic HTML and CSS**

HTML = Hyper Text Markup Language = Coding language to structure and lay out content in webpages.

HTML Tags are used to form boxes or containers around the content.



|  |  |  |
| --- | --- | --- |
| Image 1: Representation of HTML as a container/box structure | Image 2: HTML Code representing that structure. | Image 3: The HTML structure shown in a web browser. |

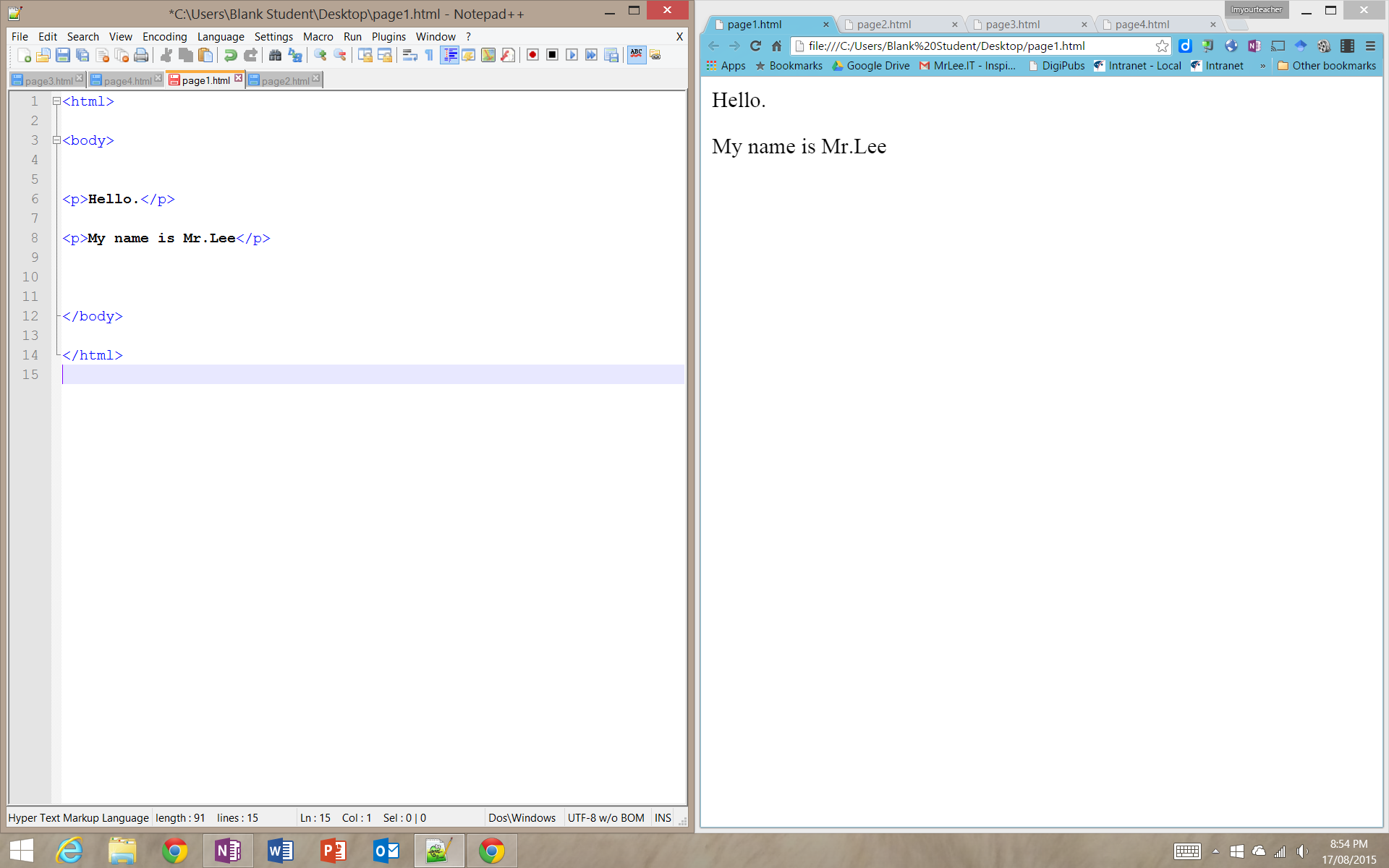
**Part 1: HTML Basic structure and paragraphs**

**Code Summary:**

**<html></html>** = Anything in this is Website code.

**<body></body>** = Anything in this will display in the web browser

**<p></p>** = Paragraph Anything in this appears as a paragraph



**Part 2: Adding Links**

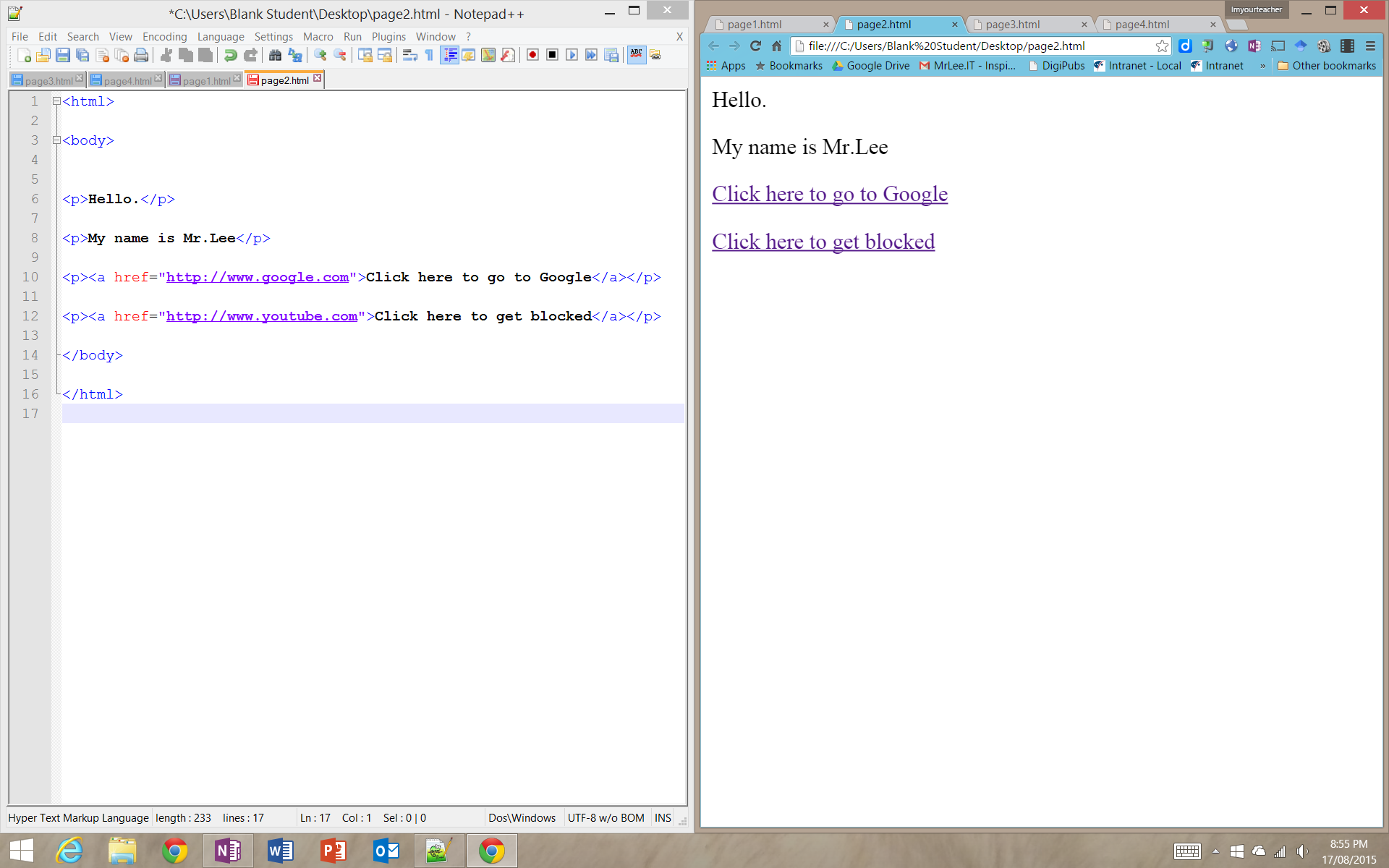
**Code Summary:**

**<a></a>** = Anything in this is a clickable link.

Some HTML tags, like the <a></a> tag, have properties:

**<a></a> tag properties:**

**href=””** = Anything in the “” specifies what website the link takes you when clicked.



**Part 3: Adding Images**

**Code Summary:**

**<img>**= Anything in this is related to how and what image is displayed.

This tag is special as it doesn’t need a </img> part since nothing goes between it.

Some HTML tags, like the <img> tag, have properties:

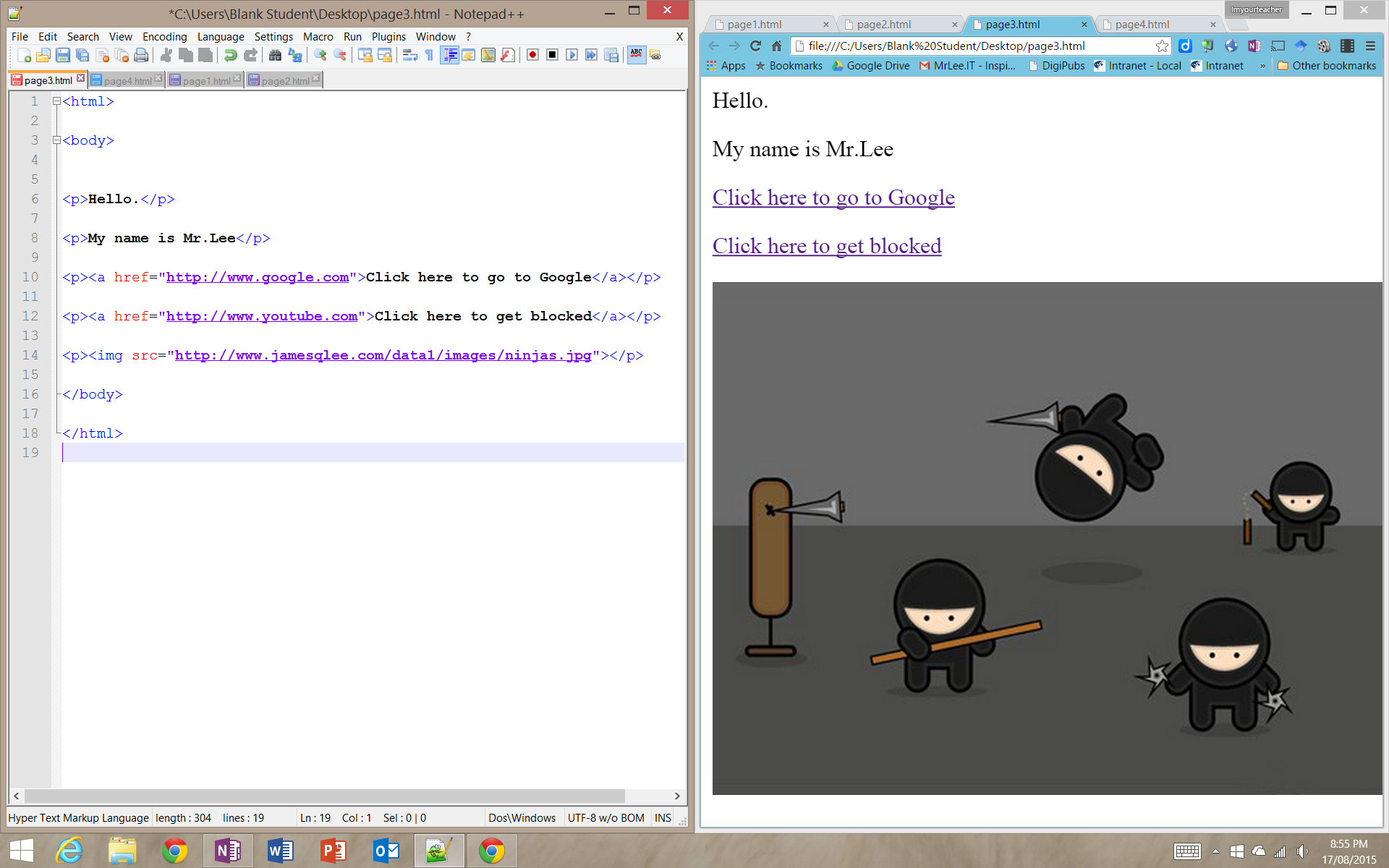
**<img></img> tag properties:**

**src=””** = Anything in the “” specifies what image is displayed.

**width=””** = Anything in the “” specifies the width of the image.

**height=””** = Anything in the “” specifies the height of the image

**alt=””** = Anything in the “” specifies what text appears when mouse hovers over image.



**Part 4: Introducing Cascading Style Sheets (CSS) to pretty up the HTML.**

**Code Summary:**

**Can be used as a property of any HTML tag.**

**style=””** = Anything in the “” specifies how you want a specific HTML tag to present its content.

The style property has its own properties to make a HTML tag present its content a certain way.

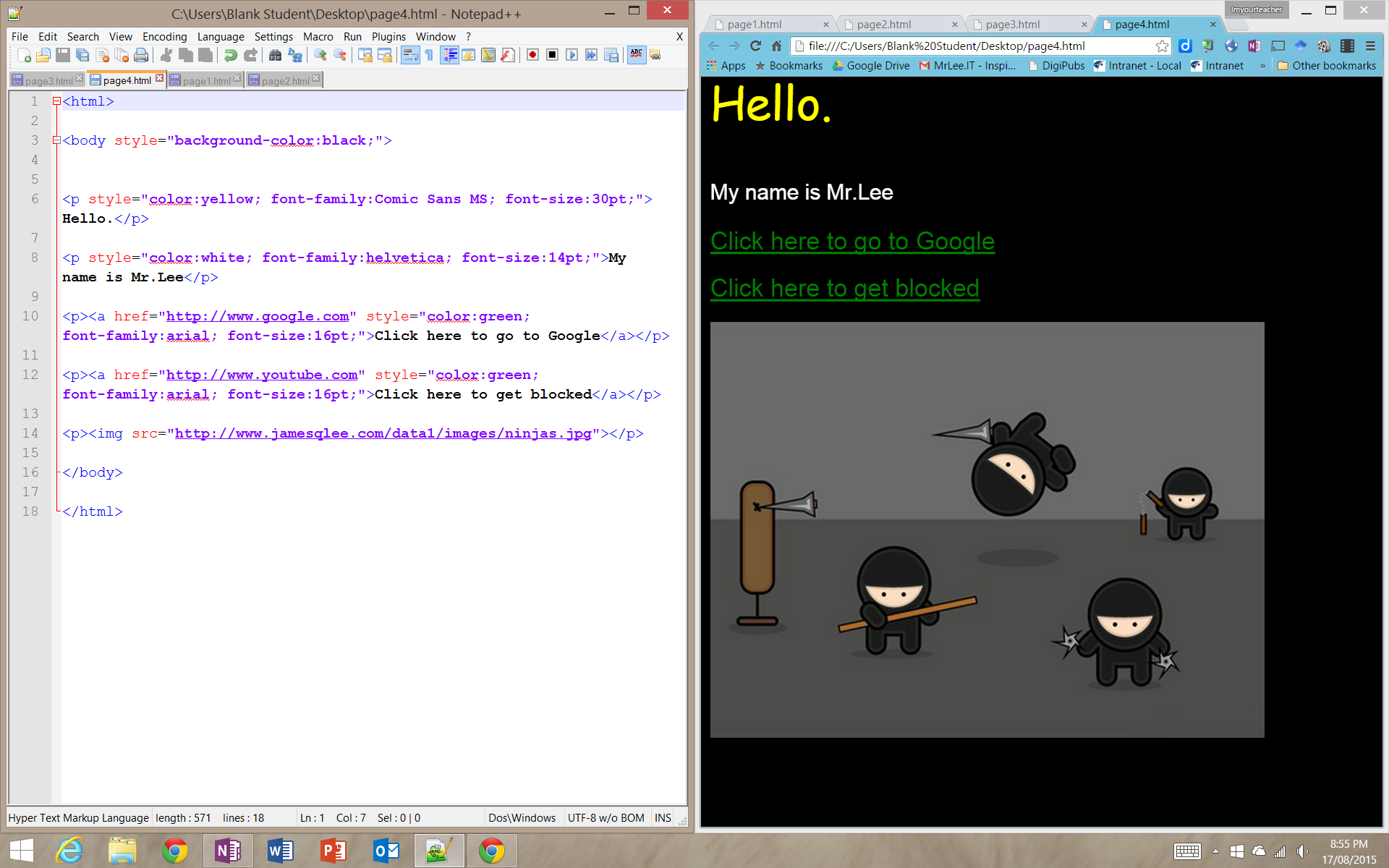
**color:\_\_\_\_\_;** = anything in the gap is the colour used (note American spelling for the word “colour”. See next page for list of color codes)

**font-family:\_\_\_\_\_;** = anything in the gap is the font used (see last page on font-family types used)

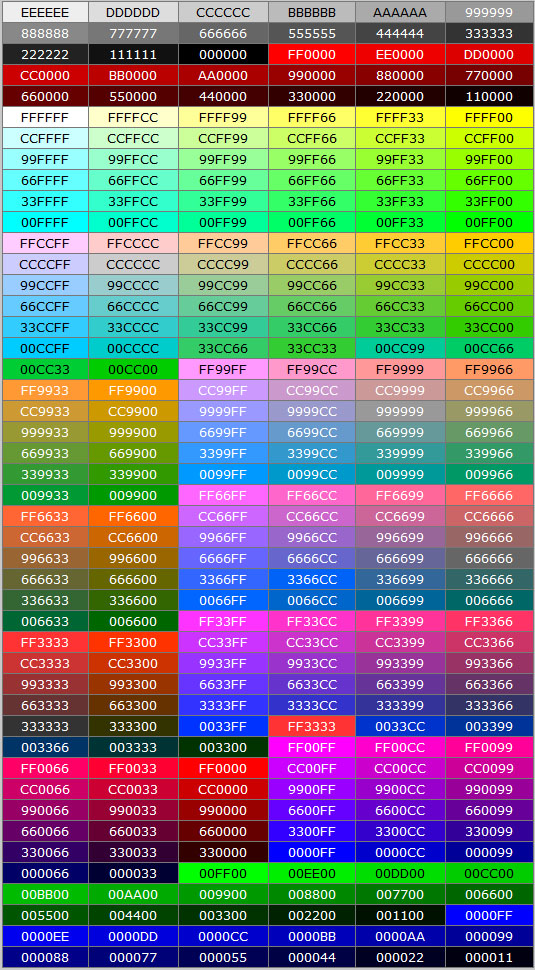
**font-size\_\_\_\_\_;** = anything in the gap is the size of the font (as points (pt) or pixels (px))

**background-color:\_\_\_\_\_;** = anything in the gap is the background colour used (note American spelling for the word “colour”)

**Visit** [**http://www.w3schools.com/cssref/**](http://www.w3schools.com/cssref/) **for the whole list of CSS properties you can use**



**HTML/CSS (hexadecimal) colour codes**

****For more specific colour shades, use hexadecimal codes.

This is a Hashtag “#” followed by 6 letters/numbers of   
ranges A-F and 0-9).

Eg;

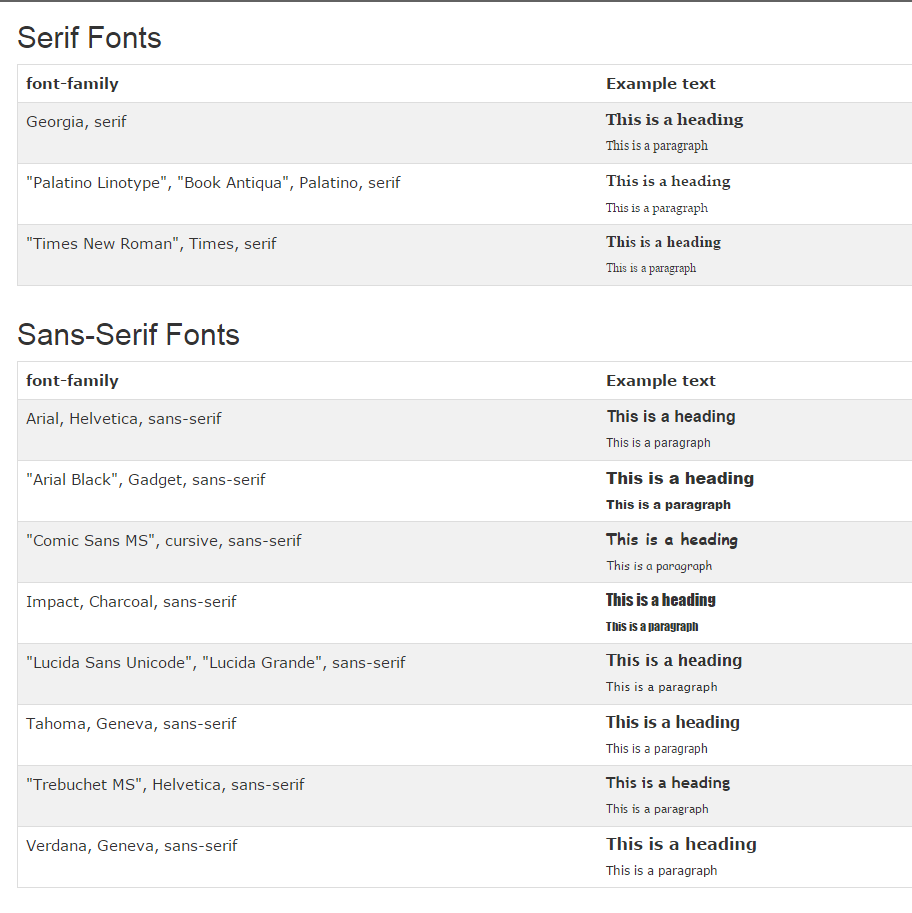
Light grey would be color:#EEEEEE;

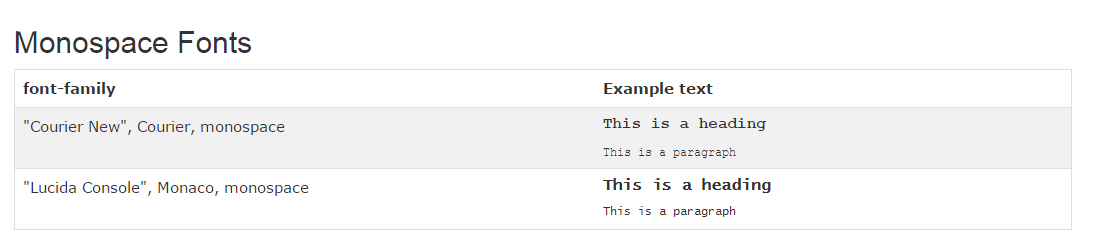
Dark orange would be color:#FF6600;

Ugly pink would be color:#CC6699;

**Font-Family CSS Style Types**

From: <http://www.w3schools.com/cssref/css_websafe_fonts.asp>





# Some Common CSS properties

|  |  |  |
| --- | --- | --- |
| Property | Values | Used with Elements |
| color | #RRGGBB (Red, Green, Blue hex values) | any element that contains text |
| text-align | left | right | center | justify | block elements h1..h6, p, li, etc. |
| text-decoration | none | underline | overline | line-through | blink | inherit | mostly with a (anchor) elements |
| text-transformation | none | capitalize | uppercase | lowercase | any element that contains text |
| line-height | % or px | block elements h1..h6, p, li, etc. |
| letter-spacing | normal or px value | any element that contains text |
| font-family | font or font-family [, font or font-family ...] | any element that contains text |
| font-size | px or em value | any element that contains text |
| font-style | normal | italic | oblique | any element that contains text |
| font-weight | normal | bold | any element that contains text |
| background-color | #RRGGBB (Red, Green, Blue hex values) | any element with a background |
| background-image | url("[image url]") | mostly with body |
| background-repeat | repeat | repeat-x | repeat-y | no-repeat | mostly with body |
| background-position | left | center | right | top | center | bottom | mostly with body |
| list-style-type | disc | square | circle | ul |
| list-style-type | decimal | lower-roman | upper-roman | lower-alpha | upper-alpha | ol |

# Other Common CSS properties

### Text

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Description** | **Values** | **Examples** | **Notes** |
| color | sets color of text | Hex values or color names | p { color: #0699b4;} p { color: blue;} | Finding hex values:   * Use Photoshop * Google them |
| text-align | aligns text | left right center justify | p { text-align: right;} |  |
| text-decoration | add decoration to text | none underline, etc. | a { text-decoration: none;} |  |
| text-transformation | controls letters | none capitalize uppercase lowercase | h2 { text-transformation: uppercase;} |  |
| line-height | sets distance between lines | % or px | p { line-height: 18px;} p { line-height: 150%;} |  |
| letter-spacing | sets the distance between characters | normal or px value | h1 {letter-spacing: 1px;} |  |

### Font

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Description** | **Values** | **Examples** | **Notes** |
| font-family | sets the font family of the text | font or font family name | p { font-family: “Times New Roman”, Times, serif;} | for other font families visit: http://www.w3schools.com/css/css\_websafe\_fonts.asp |
| font-size | sets the size of the text | values in px or em | h3 { font-size: 18px;} h3 { font-size: 1.1em;} | “em” is a relative value (decimal values are ok to use)   * 1: same size as the current/parent element’s font size * 2: double the size of the current/parent element’s font size * 0.5: half the size of the current/parent element’s font size |
| font-style | sets the text style | normal italic oblique | h2 { font-style: italic;} |  |
| font-weight | sets the weight of a font | normal bold bolder lighter, etc. | a { font-weight: bold;} |  |

### Background

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Description** | **Values** | **Examples** |
| background-color | sets the color of an element’s background | hex color values or color names | body { background-color: #ffffff;} |
| background-image | sets an image as a background | image url | body { background-image: url (‘images/red-dots.jpg’);} |
| background-repeat | specifies if/how a background image should be repeated | repeat repeat-x repeat-y no-repeat | body { background-repeat: repeat-x;} body { background: url (‘images/red-dots.jpg’) no-repeat;} |
| background-position | sets the starting position of a background image | left top right bottom center top center center, etc. | body { background-position: left top;} body { background: url (‘images/red-dots.jpg’) no-repeat left top;} |

### Lists

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Description** | **Values** | **Examples** |
| list-style-type | specifies the bullet style | circle square upper roman disc, etc. | ul { list-style-type: square;} |

### Divs, tables, other

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Description** | **Values** | **Examples** |
| margin | clears an area around an element (outside of the border) | px value | * p {margin: 10px;}   + top, right, bottom & left marings are 10px * p {margin: 10px 5px;}   + top & bottom marings are 10px and left & right margins are 5px * p {margin: 10px 15px 20px;}   + top margin is 10px, left & right marings are 15px and bottom maring is 20px * p {margin: 10px 0 15px 2px;}   + top margin is 10px, right margin is 0px, bottom margin is 15px & left margin is 2px * p {margin-top: 15px;}   + also margin-left, margin-right, margin-bottom |
| padding | clears an area around an element (inside of the border) | px value | follows same order as margins, see above   * p {padding: 10px;} * p {padding: 10px 5px;} * p {padding: 10px 15px 20px;} * p {padding: 10px 0 15px 20px;} * p {padding-top: 10px;} |
| border | specifies the type of border (could also be set to ‘none’) | * color   + hex value or name * style   + solid   + dashed   + dotted, etc. * left, right, top, bottom | img {border-color: #cccccc;} img {border-style: solid;} h2 { border-bottom: 1px;} h3 { border-bottom: 1px solid #cccccc;}img {border: none;} |
| float | specifies whether an box should float | right left center none | img {float: left;} |
| clear | no floating allowed to the specific side of an element | right left both | #wrap {clear: both;} |