CASCADING STYLE SHEETS (CSS)

CSS is a style sheet language used to create professional graphic presentations of HTML pages.

There are three ways of inserting a style sheet:
- external style sheet
- internal style sheet
- inline style

External style sheet are used to make graphic presentation independent of HTML pages.
Insert the line below into the <head> of an HTML page.
<link rel="stylesheet" type="text/css" href="filename.css">
where filename.css is the CSS file.

Internal CSS is insert into the <head> section by using the <style> tag:
<style>
….
</style>

Inline style may be used to apply a unique style for a single element.
Example: <h1 style="color: brown; margin-left: 20px;">Heading</h1>

CSS is used to define styles for web pages including backgrounds, fonts, links, text, margins, borders, etc.)

BACKGROUNDS
background-color (ex: green, #FF002A, RGB(200,10,15))
background-image: url("image.jpg")
Example:
body { background-color: #FC214D; }

FONTS
font-family (ex: arial, sans-serif, ...)
font-size (ex: 10px, 25px)
font-style (normal, italic, oblique)
font-weight (normal, bold, bolder, light, lighter)
color (ex: red, green, yellow, orange…)

Example:
p {
        font-family: arial;
        font-size: 15px;
        font-style: italic;
        font-weight: bolder;
        color: blue;
  }

LINKS
a:link { color: red; }
a:visited { color: green; }
a:hover { color: yellow; }
a:active { color: blue; }

TEXT
text-align (left, center, right, justify)
text-decoration (overline, line-through, underline, none)
letter-spacing (space between letters, ex: 3px, 5px, …)
word-spacing (space between words, ex: 5px, 10px, ...)
line-height (space between lines, ex: 0.8, 1.5, …)

Example:
```
p {
        text-align: center;
        text-decoration: underline;
        letter-spacing: 10px;
        word-spacing: 20;
        line-height: 2.5;
   }
```

MARGINS and BORDERS
margin-left (ex: 10px, 30px, ...)
margin-right (ex: 10px, 30px, ...)
margin-top (ex: 50px, 60px, …)
margin-bottom (ex: 50px, 60px, ...)
border-width (ex: 5px, 18px, ...)
border-color (ex: yellow, blue, …)
border-style (solid, double, groove, ridge, inset, outset)

Example:
```
p {
        margin-left: 80px;
        margin-right: 50px;
        margin-top: 50px;
        margin-bottom: 70px;
        border-width: 7px;
        border-color: yellow;
        border-style: groove;
   }
```

CLASSES
In order to manage several paragraph with different styles, in the same HTML page, we have to use "classes".
Example:
```
p.style1 {font-family: verdana; color: green; text-decoration: underline;}
p.style2 {font-family: arial; font-size: 15px; color: black; margin-right: 20px; }
p.style3 {font-family: serif; font-size: 30px; color: orange; border-width: 5px; }
```
In the HTML page classes are recalled as below:
```
<p class="style1"> …. </p>
<p class="style1"> …. </p>
<p class="style3"> …. </p>
```

Web Resources:
Look at www.w3schools.com/css to study CSS in depth.