Website creation 1 HTML-CSS-*(JS)* (2016-10-10)

Class 2
HTML with style

Cascading Style Sheets

This class introduces styles. HTML specifies the content of a page. CSS changes the look of that content.

First look at Styles (CSS)

1. In the coderdojo2016 dir:
2. Using notepad++ create a file called 'styles.html'.
3. Copy the text (right) into the file.
4. Save the file. Don't close the editor.
5. Drag and drop the file into Chrome.
6. In notepad++ change the colors of the text and backgrounds.
7. The page itself has a link to a color chooser.

```
<!doctype html>
<html>
  <head>
    <title>html with style</title>
  </head>
  <body style="background-color:#D0D0D0;  font-family: 'Times New Roman',
Times, serif; font-size: 20px">
    <header style="color:cyan; margin:5px 10px 5px 10px;
background-color:black; font-size: 40px">
    A page to demonstrate in-line styles
    </header>
    <p style="color:white; margin:5px 30px 5px 30px;
background-color:black; ">
    If you look at the html code for this page you will see in-line style
marks.
    <a href='http://www.w3schools.com/colors/colors_picker.asp'>color
chooser</a>
    <a href='http://www.w3schools.com/css/default.asp'>w3schools CSS
link</a>
    </p>
    <footer style="color:cyan; margin:5px 10px 5px 10px;
background-color:black; font-size: 10px; text-align:right ">
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    </footer>
  </body>
</html>
```

A better way to define styles - internal style sheet

1. In the coderdojo2016 dir:
2. Using notepad++ create a file called 'styles1.html'.
3. Copy the text (right) into the file.
4. Save the file. Don't close the editor.
5. Drag and drop the file into Chrome.
6. Compare how the two pages look in chrome. Are They the same?
7. Now compare the html in notepad++.
8. What are the differences.

The reason to use an internal style sheet is to simplify the look of the page and to avoid duplication.

```
<!doctype html>
<html>
  <head>
    <title>html with style</title>
    <style>
      body { background-color:#D0D0D0;
             font-family: 'Times New Roman', Times, serif;
             font-size: 20px; }
      p { color:white;
          margin:5px 30px 5px 30px;
          background-color:black; }
      .pagehead { color:cyan;
                  margin:5px 10px 5px 10px;
                  font-size: 40px; }
      .footer { color:cyan;
                margin:5px 10px 5px 10px;
                background-color:black;
                font-size: 10px;
                text-align:right}
    </style>
  </head>
  <body>
    <p class="pagehead">
      A page to demonstrate internal style sheet
    </p>
    <p>
      If you look at the html code for this page you will see a style sheet in the header
section.
      <a href='http://www.w3schools.com/colors/colors_picker.asp'>color chooser</a>
      <a href='http://www.w3schools.com/css/default.asp'>w3schools CSS link</a>
    </p>
    <p class="footer">
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    </p>
  </body>
</html>
```

A better way to define styles - external style sheet

1. In the coderdojo2016 dir:
2. Using notepad++ create a file called 'styles2.css'.
3. Copy the text (right) into the file.
4. Save the file. Don't close the editor.

```
body { background-color:#D0D0D0;
       font-family: 'Times New Roman', Times, serif;
       font-size: 20px; }
p { color:white;
    margin:5px 30px 5px 30px;
    background-color:black; }
.pagehead { color:cyan;
            margin:5px 10px 5px 10px;
            font-size: 40px; }
.footer { color:cyan;
          margin:5px 10px 5px 10px;
          background-color:black;
          font-size: 10px;
          text-align:right}
```

A better way to define styles - external style sheet

1. In the coderdojo2016 dir:
2. Using notepad++ create a file called 'styles2.html'.
3. Copy the text (right) into the file.
4. Save the file. Don't close the editor.
5. Drag and drop the file into Chrome.
6. Compare how the three pages look in chrome. Are They the same?
7. Now compare the html in notepad++.
8. What are the differences.

The reason to use external style sheets is: To make it easy to share the same styles to many pages. Giving them the same look and feel.

```
<!doctype html>
<html>
  <head>
    <title>html with style</title>
    <link rel="stylesheet" type="text/css" href='styles2.css'>
  </head>
  <body>
    <p class="pagehead">
      A page to demonstrate external style sheet
    </p>
    <p>
      If you look at the html code for this page you will see a reference to and
external style sheet.
      <a href='http://www.w3schools.com/colors/colors_picker.asp'>color
chooser</a>
      <a href='http://www.w3schools.com/css/default.asp'>w3schools CSS link</a>
    </p>
    <p class="footer">
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    </p>
  </body>
</html>
```

Homework (optional)

Edit the styles2.css page to add red borders to the footer of the styles2.html page.

http://www.w3schools.com/css/css_border.asp