Basics of Cascading Style Sheets - CSS

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HTML Formatting

- Plain text is dull !

- HTML allows formatting of text.

Red Text

`<p> <font color = "red" > Red Text </font> </p>`

Blue Centered Text

`<p align="center"> <font color="blue"> Blue Centered Text </font> </p>`

Problem with HTML

- Clumsy Code

- Changes become difficult

- Problem with <basefont> tag.

- Presentation tags are deprecated in HTML.

Solution

Separating Styles from Web Content

Placement of Styles

- Inline Styles – One time Style – High Priority

- Internal Styles / Embedded Styles

- External Styles – First Choice – Least Priority

Inline Styles

Individual elements can have the styles applied within the HTML tag itself.

Red Text

<p style = "color: Red"> Red Text </p>

Blue Centered Text

<p style = "color: Blue;text-align:center"> Blue Centered Text </p>

SAME DISADVANTAGES – BETTER INT/EXT

Internal / External Style - Syntax

```
Selector
{
    property1: value1;
    property2: value2;
    …
}
```

Internal Styles

```
<html>
    <head>
        <style>
            p                    Html Selector
            { ──────────────→
                    text-align : center;
                     color : Blue;

            }
        </style>
    </head>
    <body>
        <p> Blue Centered Text </p>
    </body>
</html>
```

Internal Styles

```
<body>
<h1> <font face = "sans-serif" color = "#3366CC> First Title
 </font> </h1>
 <p> …. </p>
 <h2> <font face = "sans-serif" color = "#3366CC> Second Title
 </font> </h2>
 <p> …. </p>
 <h2> <font face = "sans-serif" color = "#3366CC> Third Title
 </font> </h2>
 <p> …. </p>
</body>
```

Internal Styles

```
<head>
    <style>
        h1,h2
        {
            font-family: sans-serif;
            color: #3366CC;

        }
    </style>
  </head>
```

External Style

- Disadvantages of Internal Styles – Placing the set of codes in all webpages.
- Saved as .css

```
<link rel = "stylesheet" type = "text/css"
     href = " styles.css" />
```

Class Selector

Syntax:

.classname
{
property : value;
…
}

<p class = classname> .. </p>

Examples

- Changing the Cursor
- Changing the Scrollbar color
- Pseudocode
- Pseudoline
- Pseudoletter
- Layers
- window
- Scripts