

#### **SNS COLLEGE OF TECHNOLOGY**

Coimbatore-35 An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

#### **DEPARTMENT OF INFORMATION TECHNOLOGY**

#### WEB TECHNOLOGY

III YEAR - V SEM

#### UNIT 2 – CSS AND CLIENT-SIDE SCRIPTING

TOPIC 1 – Style Sheets CSS-Introduction to Cascading Style Sheets









- HTML markup can be used to represent
  - Semantics: h1 means that an element is a top-level heading
  - Presentation: h1 elements look at a certain way
- It's advisable to separate semantics from presentation because:
  - It's easier to present documents on multiple platforms (browser, cell phone, spoken, ...)
  - It's easier to generate documents with consistent look
  - Semantic and presentation changes can be made independently of one another (division of labor)
  - User control of presentation is facilitated



# Style Sheet Languages



- Cascading Style Sheets (CSS)
  - Applies to (X)HTML as well as XML documents in general
- Extensible Stylesheet Language (XSL)
  - Often used to transform one XML document to another form, but can also add style
  - XSL Transformations covered in later chapter





A styled HTML document



produced by the style sheet style1.css:

body { background-color:lime }

p { font-size:x-large; background-color:yellow }





```
<!DOCTYPE html
        PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
      CSSHelloWorld.html
                          link element associates style sheet with doc.
    </title>
   <link rel="stylesheet" type="text/css" href="style1.css"</pre>
          title="Style 1" />
    <link rel="alternate stylesheet" type="text/css" href="style2.css"</pre>
          title="Style 2" />
  </head>
  <body>
    Hello World!
    </body>
</html>
                                                         5
```





```
<!DOCTYPE html
        PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
     CSSHelloWorld.html
                         type attribute specifies style language used
    </title>
    k rel="stylesheet" type="text/css" href="style1.css"
          title="Style 1" />
    <link rel="alternate stylesheet" type="text/css" href="style2.css"</pre>
          title="Style 2" />
  </head>
  <body>
    Hello World!
    </body>
</html>
                                                        6
```





```
<!DOCTYPE html
        PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
     CSSHelloWorld.html
                         href attribute provides style sheet URL
    </title>
    k rel="stylesheet" type="text/css" href="style1.css"
         title="Style 1" />
    <link rel="alternate stylesheet" type="text/css" href="style2.css"</pre>
         title="Style 2" />
  </head>
  <body>
    Hello World!
    </body>
</html>
```





```
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        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
     CSSHelloWorld.html
                         title attribute provides style sheet name
   </title>
    <link rel="stylesheet" type="text/css" href="style1.css"</pre>
         title="Style 1" />
    k rel="alternate stylesheet" type="text/css" href="style2.css"
         title="Style 2" />
  </head>
  <body>
    Hello World!
    </body>
</html>
                                                        8
```





```
<!DOCTYPE html
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        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
     CSSHelloWorld.html
    </title>
    <link rel="stylesheet" type="text/css" href="style1.css"</pre>
          title="Style 1" />
    k rel="alternate stylesheet" type="text/css" href="style2.css"
          title="Style 2" />
                              Alternative, user selectable style sheets
  </head>
                              can be specified
  <body>
    Hello World!
    </body>
</html>
                                                        9
```





#### 👿 CSSHelloWorld.html - Mozilla Edit Bookmarks File View Tools Window Help <u>G</u>o Show/Hide Full Screen F11 Hello Esc. Stop. <u>R</u>eload Ctrl+R Text <u>Z</u>oom (100 %) ŀ <u>U</u>se Style Basic Page Style Character Coding Style 1 Ctrl+U Page Source Style 2 Page Info Ctrl+I Apply Theme





A styled HTML document



produced by the style sheet style2.css:

p { font-size:smaller; letter-spacing:1em }



Note that alternate, user selectable style is not widely supported: firefox 3 and IE 8 do, but IE 6, IE 7 and Chrome don't.







