

DHTML

- Tools for designers to create web pages with special effects and animation as flying headlines & news tickers.
- Faster and more interactive for end users.

[DHTML = HTML + CSS + scripting language + DOM]

CSS

— Formatting structured content.

— Benefits:

- Improved Search Engine Results.
- Site load faster.
- Design separated from content.
- Displayed on various media.
- Less code.
- Easy maintenance.
- Flexibility in style.

CSS Rule:

selector
{ property: value }
html, class
}
or ID
definition

Type:

- Inline.
- Internal.
- External

• INLINE:

```
<html>
<head> <title> In </title>
</head>
<body style="background-color: #ff0000;">
<p> Red page </p> </body> </html>
```

• INTERNAL: using <style>

```
<html> <head> <title> Ex </title>
<style type="text/css">
body { background-color: #ff0000; }
</style> </head>
<body> <p> Red page </p> </body> </html>
```

TYPE of <style>
 ie. type = "text/css"
 or type = "text/javascript"

• External: external style sheet is .css and link with web page.

```
<html> <head> <title> css </title>
<link rel="stylesheet" type="text/css href="def. css" />
</head> <body> <h1> Hello </h1> </body> </html>
```

style: css
 body {
 background-color: #ff0000;

using: declare the language of web page.

Font: css briefly:

- font-family ie arial, times new roman
- font-style ie `h1 { font-family: arial; font-style: italic; }`
- font-variant ie `h1 { font-variant: small-caps; }`
- font-weight ie `h1 { font-weight: bold; }`
- font-size
- font

Text:

- text-indent ie `p { text-indent: 25px; }`
- text-align ie `h1 { text-align: right; }`
- text-decoration ie `h1 { text-decoration: underline; }`
- text-transform ie `h1 { text-transform: upper case; }`
- letter-spacing.

XML

- extensible Markup Language.
- Markup means instruction often called tags.
- How data is displayed but we describe what data is.
- XML is actually a meta language.
- Meta language: language for describing other language.
- self descriptive.

UTF: unicode transformer format

- text-align ie th { text-align: right; }
- text-decoration ie th { text-decoration: underline; }
- text-transform ie th { text-transform: upper case; }
- letter-spacing.

XML

UTF: unicode transformation format

- extensible Markup Language.
- Markup means instruction often called tags.
- How data is displayed but no one describes what data is.
- XML is actually a meta language.
- Meta language: language for describing other language.
- self descriptive.

<?xml version="1.0" ?> → a.xml.

<college>

<student>

<regno>123 </regno>

<name> <fname>hansh </fname> <lname> yadao </lname>

</name> </student> </college>

Need XML!

- Data Exchange.
- Replacement for HTML.
- XML makes commⁿ easy.

XML attribute for metadata

<msg> <note id="100"> <to> xyz </to> <from> abc </from> </note>
 <note id="102"> <to> abc </to> <from> cde </from> </note>

Type of Information in XML files

- Processing Instruction
- Comment; <!-- comment -->
- XML Element!

- Mixed Text
- XML Entities (& amp;)
- CDATA section

XML Syntax Rules:

- All XML element must have a closing tag.
- XML tags are case sensitive.
- Opening & closing tag must be written same case.
- XML document must have root element.
- XML attribute value must be quoted.