Web Basics – HTML5

Lesson 5. Image Handling

Capgemini

Lesson Objectives

After completing this module, you will be able to:
- Understand the role of images in web pages
- Learn to add images to web pages
- Learn to use images as hyperlinks

Roles of images in web pages

Web pages are comprised of text and images.
Some of the roles of images in web pages are
- To make web page content more interesting to be read
- To increase clarity on web page content by transmitting right message
- Provoking reactions
- To ensure that the user response is anticipated

Some of the widely used image formats
- GIF : Graphical Interchangeable Format
- JPEG : Joint Photographic Expert Group
- PNG : Portable Network Graphics

Adding images in webpages

Images are added into a HTML document using <img> tag. <img> tag has 2 required attributes such as src and alt

Syntax:

> ****

The src attribute defines the url (web address) of the image
Alt attribute defines alternative text to display for non-graphical browsers. The alt attribute is required

Example:

> **<img src="html5.gif" alt="The official HTML5 Icon">**

Attributes of an Inline Image

Other attributes of <img> tag are:
- width: Sets the width of the image.
- height: Sets the height of the image.

Text & Image Alignment (Code)

Style Attribute:
Can be used in <img> tag to define the alignment of text and image.

Style Attribute Value	Description
vertical-align:bottom	The bottom of the element is aligned with the lowest element on the line
vertical-align:middle	The element is placed in the middle of the parent element
vertical-align:top	The top of the element is aligned with the top of the tallest element on the line
float:right	The element floats to the left
float:left	The element floats to the right
float:none	The element floats to the none

<br clear=LEFT/RIGHT> can be used to stop text flowing around an image
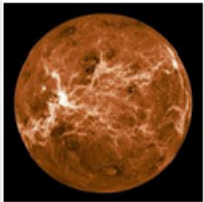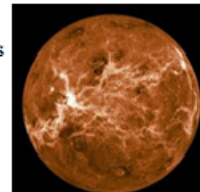
Demo

ImageDemo.html
ImageAlign.html

The Example of image alignment

HTML allows for simple aligning of text and images by adding the style attributes to the tag. HTML 5 expanded this attribute by specifying float:left and float:right options. When you use these options, text flows down the right or left side of an image aligned to them. The text flow continues until either the text passes the image, the text ends, or the browser encounters a tag.

HTML5 allows vertical alignment of text and images by adding the style attribute with values as vertical-align:bottom, vertical-align:top,.. When you use these options, text is vertically aligned top/bottom/middle. The text flow continues until either the text passes the image, the text ends, or the browser encounters a br tag with clear attribute.

Use of Image as a Hyperlink (Code)

Images used as hyperlinks:

```
<a href="5image1.html"><img src="home.gif"></a>
```

Images contained within a table:

```
<table>
<tr><th>Product</th><th>Cost</th><th>Image</th></tr>
<tr> <td>Pencil</td> <td>$8</td>
     <td><img src="pencil.gif"></td> </tr>
<tr> <td>Brush</td> <td>$15</td>
     <td><img src="paintbrush.gif"></td></tr></table>
```

Demo

ImageLink.html

Lab

Lab 5

Lesson Summary

In this lesson, you have learnt about:
- Role of images in web pages
- How to add images in web pages
- How to use images as hyperlinks

Review - Questions

Question 1: Client-side image maps are usually faster than server-side image maps.

- True/ False

Question 2: _____ contain the linking information on the server.