

Web Basics – HTML5

Lesson 5. Image Handling

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 `` tag. `` 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:

```

```



Attributes of an Inline Image

Other attributes of `` 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 `` tag to define the alignment of text and image.

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

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

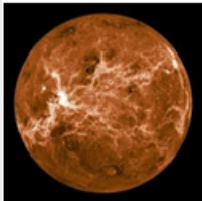


Demo

ImageDemo.html

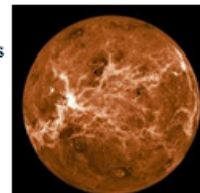
ImageAlign.html

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"></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></td> </tr>  
<tr> <td>Brush</td> <td>$15</td>  
    <td></td> </tr></table>
```


5.3: Image as hyperlinks

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.

