

## Lab 04 summary

- HTML comments

### HTML

comments are used to add notes or explanations to the HTML code that are not displayed in the web page. They are useful for developers who want to make notes about the code, or for teams who need to communicate about the code. HTML comments are written using the following syntax:

```
<!-- This is a comment. -->
```

- Marquee

The `<marquee>` tag in HTML is used to create a scrolling text or an image that moves across the screen horizontally or vertically. The content of the `<marquee>` tag can be text, images or a combination of both.

- Inserting Images

The HTML `<img>` tag is used to embed an image in a web page.

Images are not technically inserted into a web page; images are linked to web pages. The `<img>` tag creates a holding space for the referenced image.

The `<img>` tag is empty, it contains attributes only, and does not have a closing tag.

The `<img>` tag has two required attributes:

- `src` - Specifies the path to the image
- `alt` - Specifies an alternate text for the image, if the user for some reason cannot view it (because of slow connection, an error in the `src` attribute, or if the user uses a screen reader).
- `width`: This attribute specifies the width of the image in pixels.
- `height`: This attribute specifies the height of the image in pixels.
- `title`:  
This attribute provides additional information about the image, which is displayed as a tooltip when the user hovers the mouse over the image.
- `style`:  
This attribute can be used to specify CSS (Cascading Style Sheet) styles for the image, such as its position, border, and margin.
- `class`:  
This attribute can be used to assign a CSS class to the image, which can be used to apply styles to multiple images on the page.
- `id`:  
This attribute can be used to assign a unique identifier to the image, which can be used to manipulate the image with JavaScript or CSS.

- "border":  
This attribute can be used to specify the width of the border around the image. For example, border="2" would create a 2-pixel wide border around the image.
- "vspace" and "hspace": These attributes can be used to specify the amount of space to be added between the image and the surrounding text in the vertical and horizontal directions, respectively. For example, vspace="10" would add 10 pixels of space above and below the image.

Syntax:-

```

```

If you have your images in a sub-folder, you must include the folder name in the src attribute:

```

```

Image size , width and border

Address tag

The "address" tag in HTML is used to define the contact information for the author or owner of a document. It is typically used at the end of a document, such as a webpage or an email, to provide contact information or other details about the author or the organization.

Lab Exercises

1). HTML comment

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>HTML Comments Example</title>
```

```
</head>
```

```
<body>
```

```
  <!-- This is a comment that explains the purpose of the heading. -->
```

```
  <h1>Welcome to my website!</h1>
```

```
  <p>This is some text that describes my website.</p>
```

```
  <!--
```

```
    This is a multi-line comment that explains some complex code.
```

```
    You can use as many lines as you need in a comment.
```

```
-->
```

```
<p>This is some more text that describes my website.</p>
</body>
</html>
```

Anything that is written between the <!-- and --> symbols is considered a comment, and is ignored by the browser when it renders the page.

## 2). BDO

bdo

stands for Bi-Directional Override, which is an HTML tag used to override the default text direction of a web page. It is mainly used when the language of a page is written from right to left (like Arabic or Hebrew), and the developer wants to add a small piece of text that reads from left to right (like English).

```
<!DOCTYPE html>
<html>
<head>
  <title>Variable Example</title>
</head>
<body>

  <p dir="rtl">مرحبا بكم في موقعنا. <bdo dir="ltr">Welcome to our website.</bdo></p>
  <p dir="rtl">هذا هو موقعنا الرسمي. <bdo dir="ltr" lang="en">This is our official website.</bdo></p>

</body>
</html>
```

## Moving text using Marquee

```
<!DOCTYPE html>
<html>
<head>
  <title>Marquee Example</title>
</head>
<body>
  <marquee behavior="scroll" direction="left">This text will scroll from right to left</marquee>
</body>
</html>
```

In this example, the <marquee> tag is used to create a scrolling text that moves from right to left. The behavior attribute is set to "scroll" to make the text scroll continuously, and the direction attribute is set to "left" to make the text move from right to left.

Inserting image

```
<!DOCTYPE html>
<html>
<head>
  <title>Inserting an Image in HTML</title>
</head>
<body>
  <h1>My Desktop Image</h1>
  
</body>
</html>
```

The src attribute specifies the file path of the image on the desktop. Make sure to replace YourUsername with your actual username in the file path. The alt attribute provides an alternative text description in case the image cannot be displayed.

Changing the size of Image

```
<!DOCTYPE html>
<html>
<head>
  <title>Adjusting Image Size using HTML</title>
</head>
<body>
  <h1>My Image</h1>
  
</body>
</html>
```

The width and height attributes have been used to adjust the size of the image to 500 pixels in width and 300 pixels in height

Vspace, Hspace and border of a image

```
<!DOCTYPE html>
<html>
<head>
  <title>Example Image with Border and Spacing</title>
</head>
<body>
  <h1>Example Image with Border and Spacing</h1>
  <p>Here is an example image with a border and some spacing around it:</p>
  
```

```
<p>This image has a 2-pixel border, and 10 pixels of vertical
spacing and 100 pixels of horizontal spacing between the image and the
surrounding text.</p>
</body>
</html>
```

## Moving pictures using Marquee

```
<!DOCTYPE html>
<html>
<head>
  <title>Marquee Example</title>
</head>
<body>
  <marquee behavior="scroll" direction="down">
    
  </marquee>
</body>
</html>
```

In this example, the <marquee> tag is used to create a scrolling image that moves from top to bottom. The behavior attribute is set to "scroll" to make the image scroll continuously, and the direction attribute is set to "down" to make the image move from top to bottom. The <img> tag is used to display the image within the <marquee> tag.

## Use of address tag

```
<!DOCTYPE html>
<html>
<head>
  <title>Contact Us</title>
</head>
<body>
  <h1>Contact Us</h1>
  <p>If you have any questions, comments or feedback, please don't hesitate to get in touch.</p>
  <address>
    <strong>Our Company</strong><br>
    123 Main Street<br>
    Suite 101<br>
    Anytown, USA 12345<br>
    <p>Phone:- (123) 456-7890<p>
  <br>
  <a href="mailto:info@ourcompany.com">Email Us</a>
```

```
</address>  
</body>  
</html>
```