Sukkur Institute of Business Administration University
Department of Computer Science

Information and Communication Technologies

Lab # 11: Basic HTML
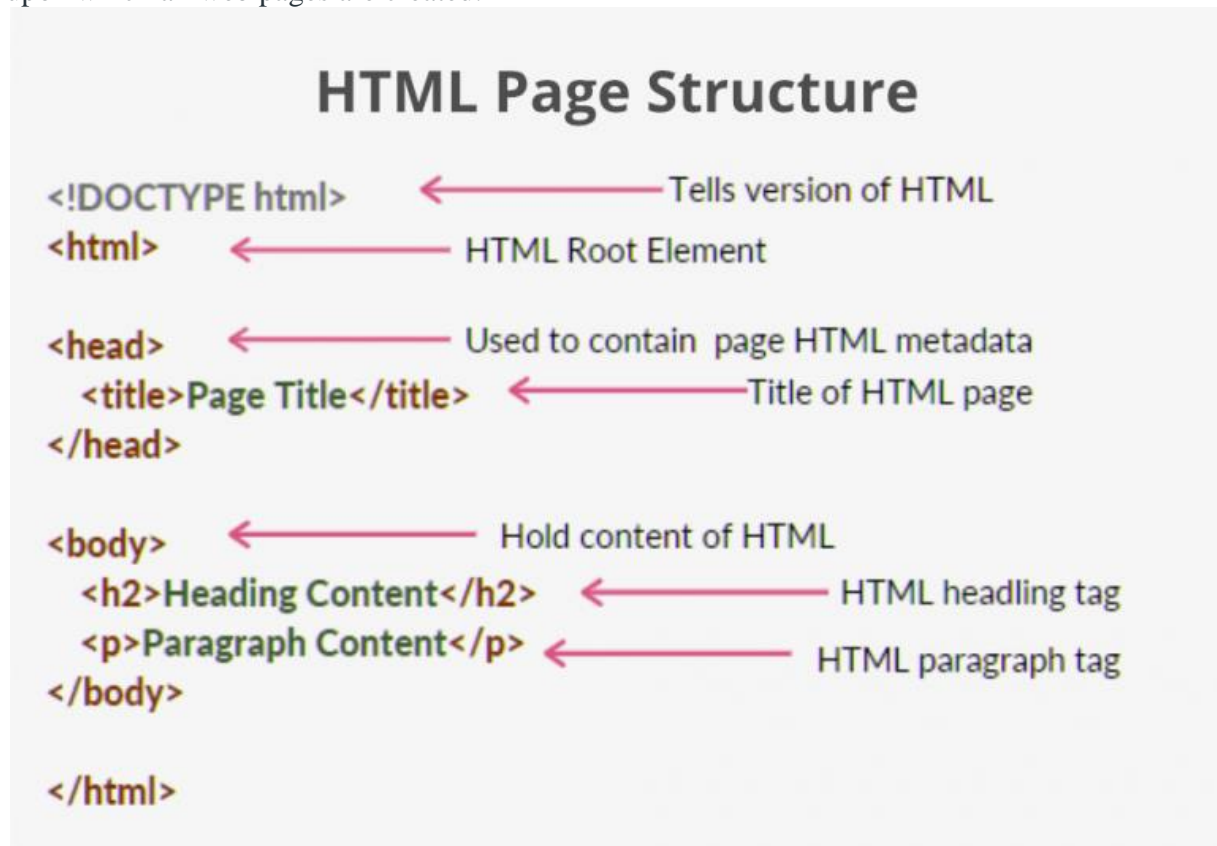
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Objectives

In this class, you will prepare a document for the Web. When you complete the class, you should:

- be familiar with the basic structure of HTML.
- be able to recognize and identify HTML tags

Elements and Tags: HTML uses predefined tags and elements which tell the browser how to properly display the content. Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page.

HTML page structure: The basic structure of an HTML page is laid out below. It contains the essential building-block elements (i.e. doctype declaration, HTML, head, title, and body elements) upon which all web pages are created.

<html>: This is called the HTML root element. All other elements are contained within it

<head>: The head tag contains the "behind the scenes" elements for a webpage.

<body>: The body tag is used to enclose all the visible content of a webpage. In other words, the body content is what the browser will show on the front-end

An HTML document can be created using any text editor. Save the text file using **.html** or **.htm**. Once saved as an HTML document, the file can be opened as a webpage in the browser

Hello World Program

You need to write an HTML program to display hello world on screen.

```
<html>
<body>

  <h1>Hello World</h1>

  <p>My first paragraph.</p>

  </body>
  </html>
```

Try this sample program and observe the output.

Difference between HTML Paragraph & Regular line break

```
<html>
<head>
  <title> Different between HTML Paragraph & Regular line break</title>
  </head>
<body>
  This is regular text. <br/>
  This is another line after line break.
  <p>This is a first paragraph. You can add any kind of text here. </p>
  <p>This is a second paragraph. This is some sample text. </p>
  <p>This is another paragraph. You can add multiple lines of text in this paragraph. </p>

  </body>
  </html>
```

Write a program to print a paragraph with different font and color.

<html>
<body>
<p>
****
Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.
****

</P>
</body>
</html>

Comments in html

<body>
  <p>HTML Tutorial</p>
  <!--<p>HTML Comment</p>-->
  <p>Hello World</p>
</body>

Hyperlinks in HTML

Googles

Create a hyperlink to take you to another part of the same HTML document

Go the bottom
<p id="bottom">Bottom</p>

Images in HTML

The <img> tag is used to embed an image in an HTML page.s

The <img> tag has two required attributes:

- src - Specifies the path to the image
- alt - Specifies an alternate text for the image, if the image for some reason cannot be displayed

<img src="path " alt="" width="500" height="600">

Color styles in HTML

```
 style="background-color:powderblue;"  for background
style="color:powderblue;" for text color
```

HTML Formatting Elements

- `<b>` - Bold text
- `<strong>` - Important text
- `<i>` - Italic text
- `<em>` - Emphasized text
- `<mark>` - Marked text
- `<small>` - Smaller text
- `<del>` - Deleted text
- `<ins>` - Inserted text
- `<sub>` - Subscript text
- `<sup>` - Superscript text

Tables in HTML

```
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>

  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
  <tr>
    <td>Centro comercial Moctezuma</td>
    <td>Francisco Chang</td>
    <td>Mexico</td>
  </tr>
</table>
```

Exercises

1. Write HTML code to develop a Web page having the background in red and heading "My First Page" in any other color.

2. Create an HTML document giving details of your name, age, telephone number, address & enrolment number aligned in proper order.

   align = center, right, left

3. Write an HTML code to design a page containing text, in form of paragraphs giving suitable heading style.

4. Create a page to show different attributes of Font tag.

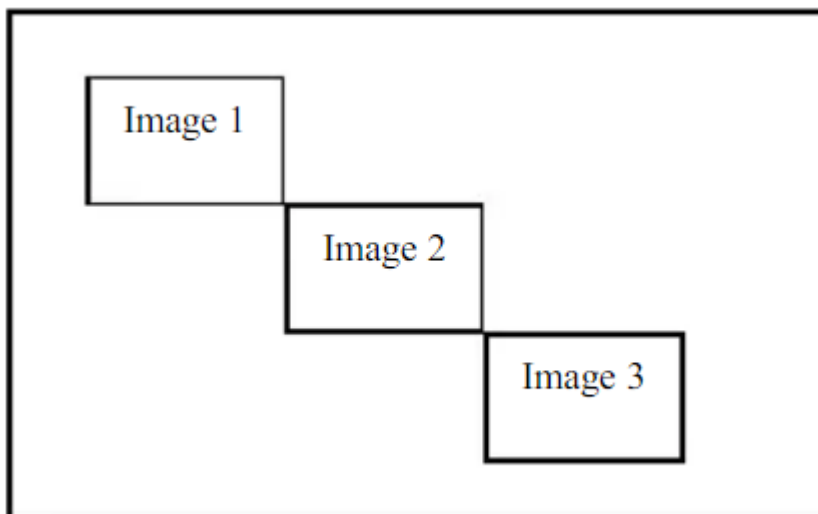

5. Create a page to show different attributes: italics, bold, underline.

6. Design a page having background colour yellow, giving text color red and using all the attributes of font tab.

7. Write an HTML code to create a Web page of blue color and display   links in red colour.

8. Write an HTML code to create a Web page that contains an image at its center.

9. Create a Web page with appropriate content and insert an image towards the left hand side of the page. When user clicks on the image, it should open another Web page.

10. Create a Web page using *href* attribute of anchor tag & the attribute: *alink, vlink* etc.

11. Create a Web page, wherein when the user clicks on the link it should go to the bottom of the page.

12. Write HTML code to create a Web page of pink colour and display a moving message in red colour.

13. Create a Web page, showing an ordered list of the names of five of your friends.

14. Create an HTML document containing a nested list showing the content page of any book.

15. Create the following tables

Colour (White)		
RED	GREEN	BLACK

Nation Information

	Country	Happiness Ranking	Life Expectancy	GDP per Capita
		North America		
Developing	Bahamas	5	65.6 years	$20,200
Developed	Canada	8	80.4 years	$38,200
	United States	17	78.1 years	$45,800

16. Design an HTML Page having 3 images placed in the following format.

Image 1

Image 2

Image 3

(Hint: Table can be used to align images)

17. Write an HTML program to form the following frame structure.