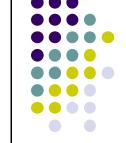


Web Engineering



Internet

- The Internet is a massive network of networks, a networking infrastructure.
- It connects millions of computers together globally.
- Forming a network in which any computer can communicate with any other computer.
- Information that travels over the Internet through protocols.



World Wide Web

- A system of internet servers that support specially formatted documents. The documents are formatted in a markup language called HTML that supports links to other documents, as well as graphics, audio, and video files.
- Web Browser like "Netscape Navigator" and "Microsoft's Internet Explorer" make it easy to access the World Wide Web.

Difference



Internet

Network of networks, in which millions of computers are connects together globally, forming a network in which any computer can communicate with other computer.

WWW

WWW is a way of accessing information over the medium of the Internet.

The Web uses the HTTP protocol.

Markup Language



 A markup language gives extra information about a piece of text. For example means bold in the HTML language. is a markup tag.





- HTML stands for Hyper Text Markup Language
- An HTML file is a text file containing small markup tags
- The markup tags tell the Web browser how to display the page
- An HTML file must have an htm or html file extension
- An HTML file can be created using a simple text editor
- An HTML tags are case-insensitive

Note: If you want to follow the latest web standards, you should always use lowercase tags.

Example:

```
<html>
   <head>
      <title>Title of page</title>
   </head>
  <body> This is my first homepage.
             <b>This text is bold</b>
   </body>
</html>
```





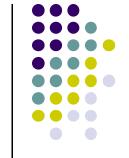
- The first tag in your HTML document is https://www.ntml. This tag tells your browser that tag in your document is /html>. This tag tells your browser that this is the end of the HTML document.
- The text between the <head> tag and the </head> tag is header information. Header information is not displayed in the browser window.
- The text between the <title> tags is the title of your document.
 The title is displayed in your browser's caption.
- The text between the <body> tags is the text that will be displayed in your browser.
- The text between the and tags will be displayed in a bold font.





Tags can have attributes. Attributes provide additional information to an HTML element. e.g.

- Attributes always come in name/value pairs like this: name="value".
- Attributes are always specified in the start tag of an HTML element.
- Attributes and attribute values are also case-insensitive.
- Attribute values should always be enclosed in quotes. Double style quotes are the most common, but single style quotes are also allowed.
- In some rare situations, like when the attribute value itself contains quotes, it is necessary to use single quotes:
- name='John "ShotGun" Nelson'



Headings

Headings are defined with the <h1> to <h6> tags.

<h1> defines the largest heading. <h6> defines the smallest heading.

<h1>This is a heading</h1>

<h2>This is a heading</h2>

<h3>This is a heading</h3>

<h4>This is a heading</h4>

<h5>This is a heading</h5>

<h6>This is a heading</h6>

HTML automatically adds an extra blank line before and after a heading.



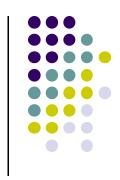


Paragraphs are defined with the tag.

This is a paragraphThis is another paragraph

HTML automatically adds an extra blank line before and after a paragraph.



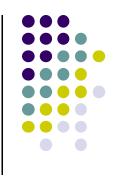


The **<***br***>** tag is used when you want to end a line, but don't want to start a new paragraph.

I
br> Love
br>Pakistan

Note: The
br> tag is an empty tag. It has no closing tag.





The comment tag is used to insert a comment in the HTML source code. A comment will be ignored by the browser.

<!-- This is a comment -->