Session 1.2

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Session 1.2
Web Publishing

Web Publishing
- A web page or web document is a document or information resource on www and can be accessed through a web browser and displayed on a monitor.
- Web publishing describes the software and methodologies to design the web pages and website.
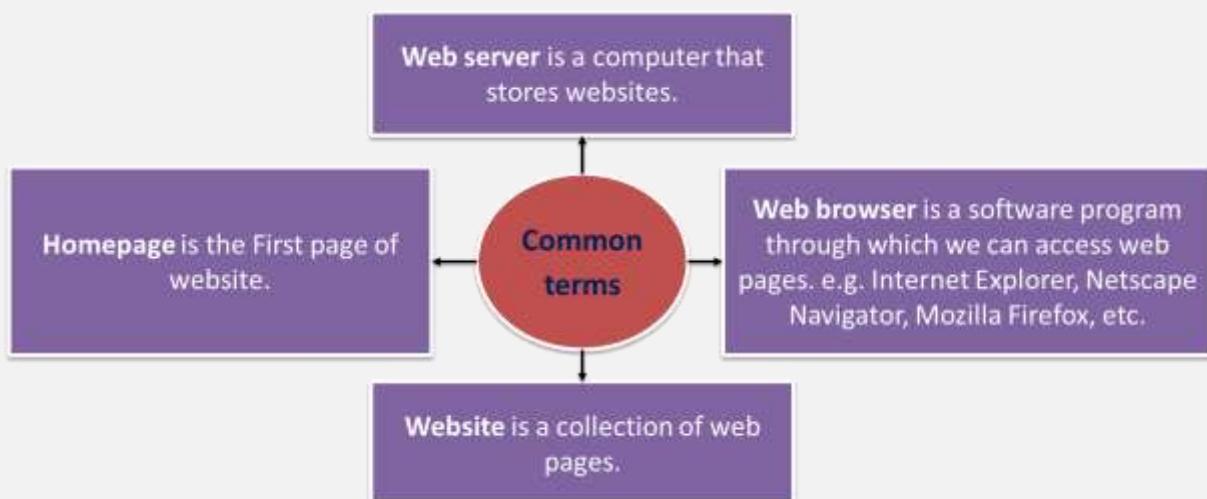
HTML PAGE FRAMES
- Frame divides browser window into several parts through which we can see more than one web page at a time.
- Multiple scrollable section can be created using frames.
- Each HTML document is called a 'frame', and each frame is independent of the others.
- Frame pages can also be hyperlinked.

Creating Frames
- The <frameset>----------</frameset> Tags:

1. The <frameset> tag is a container tag for all other tags that are used to create frames.

2. The <frameset> tag replace the <body> tag in frameset documents.

3. The <frameset> tag defines how to divide the window into frames.

4. Each frameset defines a set of rows or columns. If you define frames by using rows then horizontal frames are created. If you define frames by using columns then vertical frames are created.

5. The values of the rows / columns indicate the amount of screen area each row/column, that will occupy.

6. Each frame is indicated by <frame> tag and it defines what HTML document to put into the frame.

The rows attribute

- The rows attribute divides the screen into Horizontal frames.
- **HTML Code:**

```
<html>
<head>
    <title>frame</title>
</head>
<frameset rows="25%, 75%">
    <frame src="page1.html">
    <frame src="page2.html">
</frameset>
</html>
```

The cols attribute

- The cols attribute divides the browser window into vertical frames depending upon the width defined.
- **HTML Code:**

```
<html>
<head>
    <title>frame</title>
</head>
```

```
<frameset cols="100, 45%, *">
    <frame src="page1.html">
    <frame src="page2.html">
    <frame src="page3.html">
</frameset>
</html>
```

The <frame> tag

- The <frame> tag is used to create frame within frameset.
- The attributes of this tag can be used to specify the name of a frame and HTML page that you need to display in the frame.
- The following are the various attributes of the <frame> tag:

Name of Attribute	Description
Src	This attribute is used to specify HTML page that you want to display in the frame <frame src="URL of an HTML page">
Frameborder=0/1	This attribute shows border around the frame. The value 0 creates borderless frame. The value 1 gives border.
marginwidth	This attributes sets left and right frame margin in pixels. E.g. <frame src="page1.html" marginwidth=25>
Marginheight	This attributes sets top and bottom frame margin in pixels. E.g. <frame src="page1.html" marginheight=25>

Name of Attribute	Description
Noresize	This attributes prevents the user from resizing the frames. By default user can resize frame by dragging to new position. E.g. <frame src="page> .html" noresize>
Name	It is used to assign the name to the frame for targeting and linking purpose. E.g. <frame src="page1.html" name="xyz">
Scrolling="yes/no/auto"	Scrolling has three values YES, NO, AUTO ▪ The value **YES** specifies that a scrollbar should always be visible on the frame. ▪ The value **NO** specifies that a scrollbar should never be visible on the frame. ▪ The value **AUTO** specifies the browser to automatically display or remove the scrollbar form a frame. This is default value.

Nested frames

- You can nest a <frameset> tag within another <frameset> tag.
- **HTML Code:**
  ```
  <html>
  <head>
      <title>frame</title>
  </head>
  ```

```
<frameset cols="50%, 50%">
    <frame src="page1.html">
    <frameset rows="50%, 50%">
            <frame src="page2.html">
            <frame src="page3.html">
    </frameset>
</frameset>
</html>
```

- **HTML Code:**
```
<html>
<head>
    <title>frame</title>
</head>
<frameset cols="50%, 50%">
    <frameset rows="50%, 50%">
            <frame src="page1.html">
            <frame src="page2.html">
    </frameset>
    <frameset rows="50%, 50%">
            <frame src="page3.html">
            <frame src="page4.html">
    </frameset>
</frameset>
</html>
```

Linking frame or Target attribute

- Linking is one of the advantages of using frame. In linking there is menu/links on the left side of browser and the content is displayed on the right side while clicking on links.
- Steps to create linking frame
  - First create a frameset with 2 vertical frame. Give name to the frames using the name attribute of the <frame> tag.
  - Giving the name to the first frame is optional, but the target frame must be given a name. <frame src="left.html"><frame src="right.html" name="xyz">
  - Create HTML document containing menu. The menu item will be hyperlink to other pages. The hyperlink when clicked should be displayed in the right frame which is target name.
  - The target attribute in the <A> tag specifying the name of frame is as follows:
    - Input

By Surekha Bhosale

– Output

Magic target names

- There are some target names that will open the link in different frames. They are called as Magic target names.
- Following are some magic target names

Name of Target	Description
Target="_self"	This will open the page in the same window as link.
Target="_blank"	This will open the page in the new blank window.
Target="_top"	This will open a link in top frame of browser window.
Target="_parent"	This will open the page in the main or parent frame.

Inline or floating frame

- <iframe>------------</iframe> tag is used to create inline frame. This <tag> displays frame along with the text and graphics in an HTML page. The inline frame appears within <body> tag.
- **HTML Code:**
  ```
  <html>
  <head>
       <title>inline</title>
  </head>
  <body>
  <p>This is an Inline Frame</p>
  <br>
  <iframe src="page1.html" width=400 height=200 scrolling="yes">
  </iframe>
  </body>
  </html>
  ```

Attributes of <iframe> tag:

Name of Attributes	Description
Src	This attributes is used to specify HTML page that you want to display in the inline frame.
Width	Sets the width of inline frame.
Height	Sets the height of inline frame.
Align	This aligns the inline frame as left, right and center of the page.
Name	This attribute is used to assign the name to the inline frame for linking purpose.
Scrolling="yes/no/auto"	Scrolling shows the scrollbars in inline frame if the values as "yes" and "auto" and value "no" hide the scrollbars.
Border	Displays the border around the inline frame.