

Internet Tools and Technology Lab

(ITT 3266)

VI sem B. Tech. IT

HTML - 2



Objectives

- To understand frames and frame sets
- To familiarize with image maps

HTML Frames and Frame sets

- The `<frameset>` tag defines a frameset.
- The `<frameset>` element holds one or more `<frame>` elements.
- Each `<frame>` element can hold a separate document.
- The `<frameset>` element specifies how many columns or rows there will be in the frameset, and how much percentage/pixels of space will occupy each of them.

- To use frames on a page we use <frameset> tag instead of <body> tag.
- The <frameset> tag defines how to divide the window into frames.
- The rows attribute of <frameset> tag defines horizontal frames and cols attribute defines vertical frames.
- Each frame is indicated by <frame> tag and it defines which HTML document shall open into the frame.
- Frame tag can have various attributes like src (gives filename that should be loaded in the frame. Its value can be any URL.) name (gives a name to a frame) and so on.

Consider three different HTML files

```
<html>
<head><title>Top
frame</title></head>
<body>
<marquee>
  TOP FRAME
</marquee>
</body>
</html>
```

top_frame.html

```
<html>
<head><title>Center
frame</title></head>
<body>
<marquee>
  CENTER FRAME
</marquee>
</body>
</html>
```

cen_frame.html

```
<html>
<head><title>Bottom
frame</title></head>
<body>
<marquee>
  BOTTOM FRAME
</marquee>
</body>
</html>
```

bottom_frame.html

Example:

```
<html>
<head><title>Introduction to frames</title></head>
<frameset rows="25%,50%,25%">
<frame name="left" src="top_frame.html" />
<frame name="center" src="cen_frame.html" />
<frame name="right" src="bottom_frame.html" />
</frameset>
</html>
```

OUTPUT

TOP FRAME

CENTER FRAME

BOTTOM FRAME

Iframe

- An iframe is used to display a web page within a web page.
- It is also called as hidden frame.

Example

```
<body>  
<iframe src="http://www.w3schools.com/html/html_iframe.asp"  
width="200" height="200"></iframe>  
</body>
```


Image Maps

- An image-map is an image with clickable areas.
- The `<map>` tag is used to define a client-side image-map.
- The required name attribute of the `<map>` element is associated with the ``'s `usemap` attribute and creates a relationship between the image and the map.
- The `<map>` element contains a number of `<area>` elements that defines the clickable areas in the image map.

```
<html>
<head>
<title>IMAGE
INSERT</title>
</head>
<body>
<img src = "sun.gif" />
</body>
</html>
```

sun.html

```
<html>
<head>
<title>IMAGE
INSERT</title>
</head>
<body>
<img src = "mercur.gif" />
</body>
</html>
```

mercur.html

```
<html>
<head>
<title>IMAGE
INSERT</title>
</head>
<body>
<img src = "venus.gif" />
</body>
</html>
```

venus.html

Example

```
<html>
```

```
<body>
```

```
<p>Click on the sun or on one of the planets to watch it closer:</p>
```

```

```

```
<map name="planetmap">
```

```
  <area shape="rect" coords="0,0,82,126" alt="Sun" href="sun.html">
```

```
  <area shape="circle" coords="90,58,3" alt="Mercury" href="mercur.html">
```

```
  <area shape="circle" coords="124,58,8" alt="Venus" href="venus.html">
```

```
</map>
```

```
</body>
```

```
</html>
```