

HTML

Frames

HTML FRAMES

A framed page is actually made up of multiple HTML pages

A frame

- Partitions a web browser window
- Display multiple web documents simultaneously.

Creating frames

Tags

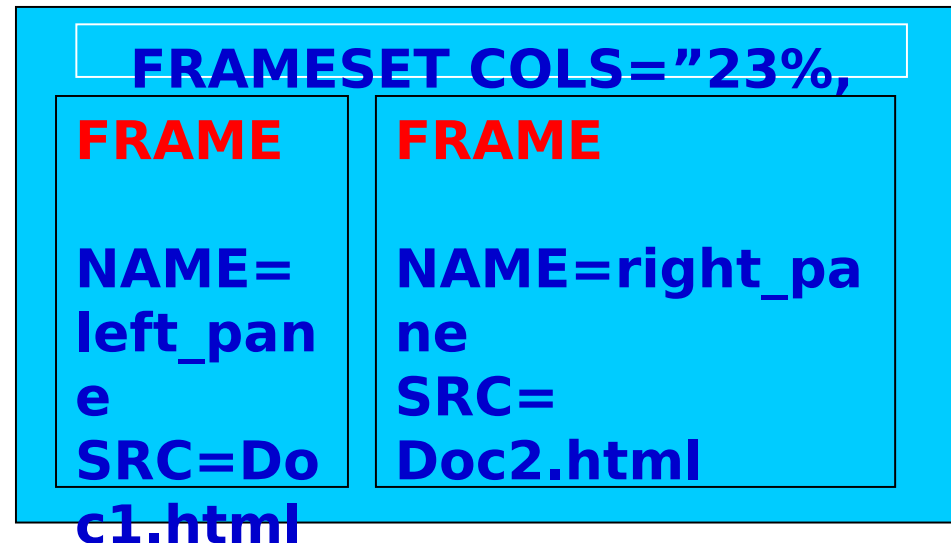
- **<FRAMESET>** - divides the screen into **ROWS** or **COLS**.
- **<FRAME>** elements, **one per division** of the browser window.

Note: Because there is no **BODY** container, FRAMESET pages can't have background images and background colors associated with them.

Example

```
<HTML>
<HEAD>
<TITLE> Framed Page </TITLE>
<FRAMESET COLS="23%,77%">
<FRAME SRC="Doc1.html">
<FRAME SRC="Doc2.html">
</FRAMESET>
</HEAD>

</HTML>
```



Attributes for <FRAMESET>

- **ROWS** : Determines the size and number of rectangular rows within a <FRAMESET>.
- **COLS**: Determines the size and number of rectangular columns within a <FRAMESET>.
- **FRAMEBORDER** : Possible values **0**, **1**, **YES**, **NO**. A setting of zero will create a borderless frame.
- **FRAMESPACING**: This attribute is specified in **pixels**. If you go to borderless frames you will need to set this value to zero as well, or you will have a gap between your frames where the border used to be.
- **BORDER(thickness of the Frame)**: This attribute specified in pixels. A setting of zero will create a borderless frame. Default value is 5.
- **BORDERCOLOR**: This attribute is allows you choose a color for your border. This attribute is rarely used.

Attributes for <FRAME>

- **SRC:** provides the URL for the page that will be displayed in the frame.
- **NAME:** Required for frames that will allow targeting by other HTML documents. Works in conjunction with the target attribute of the <A>, <AREA>, <BASE>, and <FORM> tags.
- **MARGINWIDTH:** Optional attribute stated in pixels. Determines horizontal space between the <FRAME> contents and the frame's borders.
- **MARGINHEIGHT:** Optional attribute stated in pixels. Determines vertical space between the <FRAME> contents and the frame's borders.
- **SCROLLING:** Displays a scroll bar(s) in the frame. Possible values are:
 1. **Yes** – always display scroll bar(s).
 2. **No** – never display scroll bar(s).
 3. **Auto** – browser will decide based on frame contents.

By default: scrolling is auto.

What will be the output?

<HTML>

<HEAD> </HEAD>

<frameset rows="25%, *, 25%">

<frame src="" >

<frameset cols="25%, *">

<frame src="">

<frame src="" >

</frameset>

<frame src="" >

</frameset>

</HTML>

[illegible]

Frame Formatting

- **Example:**

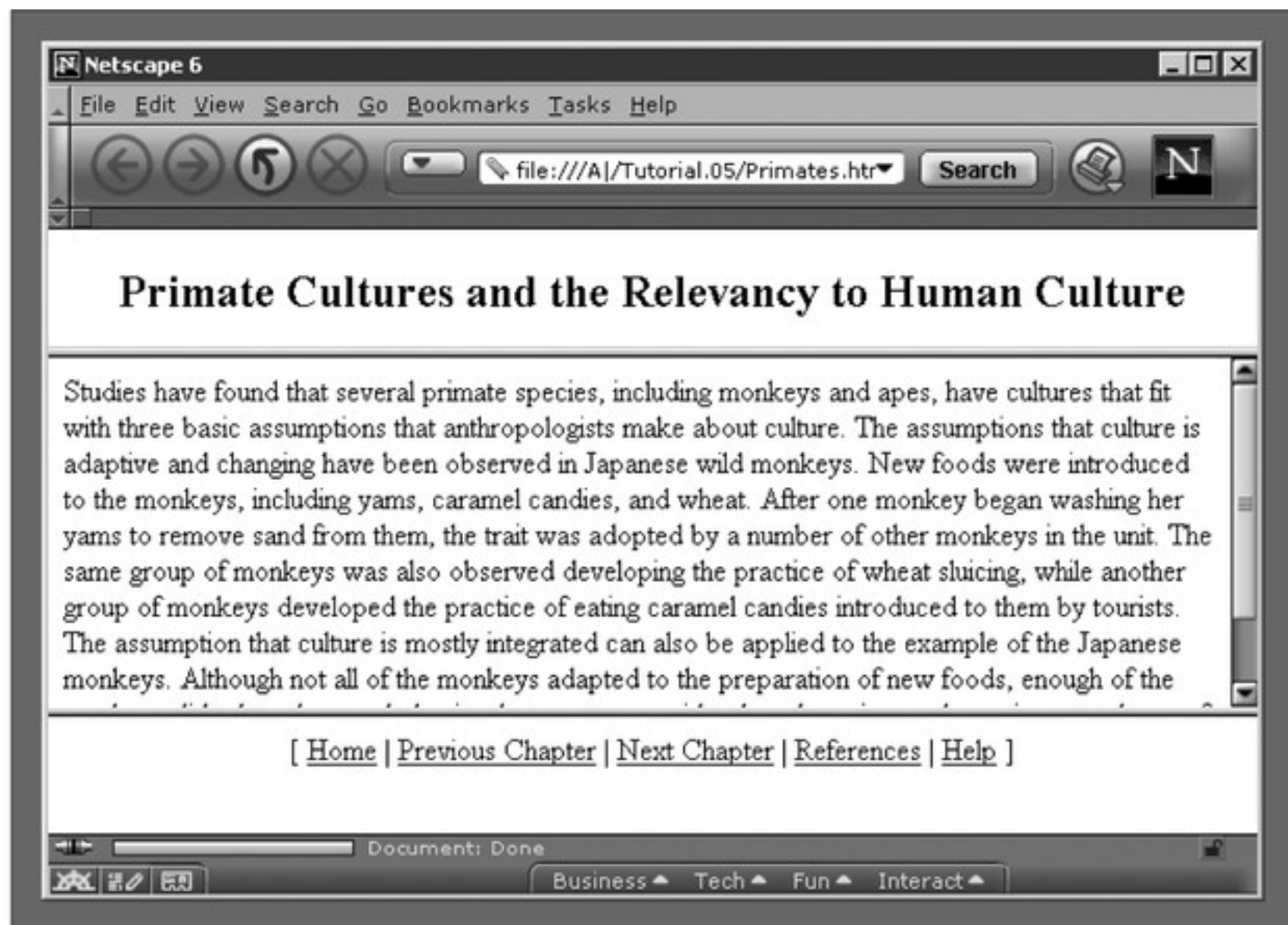
```
<frameset rows="20%, *, 20%">
```

```
  <frame src="header.html" noresize  
  scrolling=no>
```

```
  <frame src="body.html">
```

```
  <frame src="navigationbar.html" noresize  
  scrolling=no>
```

```
</frameset>
```



Output of program that includes NORESIZE and SCROLLING attributes

Nested framesets

```
html>
<head><title>Frames 2</title></head>
<frameset cols="140,*">
  <frame name="mainF" src="navigation.html">
    <frameset rows="30%,70%">
      <frame name="upperF" src="intro.html">
        <frame name="lowerF" src="course.html">
      </frameset>
    </frameset>
  </frameset>
</html>
```



navigation.html

- The anchor tag has a **target** attribute
takes the name of the frame used to display the information
- All anchors below are targeted to the "**mainF**" frame

```
html><head><title>Navigation Bar</title></head>
<body><center>
  <a href="course.html" target="mainF">HTML Course</a><br><br>
  <a href="paragraph.html" target="mainF">Paragraphs</a><br>
  <a href="headings.html" target="mainF">Headings</a><br>
  <a href="ulists.html" target="mainF">Unordered lists</a><br>
  <a href="olists.html" target="mainF">Ordered lists</a><br>
  <a href="nlists.html" target="mainF">Nested lists</a><br>
  <a href="intro.html" target="mainF">Home</a><br>
</center></body>
</html>
```

Target _self
 _blank
 "frame name"

Noframes

- Some browsers cannot process frames. Alternative content should be provided using the `noframes` element

```
html>
<head><title>Frames 1</title></head>
<frameset cols="140,*">
  <frame name="navF" src="navigation.html">
  <frame name="mainF" src="intro.html">
</frameset>
<noframes>
  <body>
    Something here for browsers not supporting frames
  </body>
</noframes>
</html>
```