WEEK 9
FRAME

Learning Outcome

- At the end of this lesson, you should be able to:
  - Create web layout using frames

HTML Frames

- Divide browser window into individual

- Rectangular areas called frames

- Each frame holds a different document

- Some communication between documents

Frames

- Advantages:
  - Display multiple pages in a single browser window.

  - Allow you to keep some content static.

  - Update navigation system for the entire site by editing only one document.

  - Allow accessing different site without leaving current page.

- Disadvantages:
  - Overuse of frames slows down loading time as each frame is a separate HTML document.

  - Frames don't mix well with search engines.

  - Difficult to bookmark.

  - Navigation problems

Frameset Document

- A frameset document is an HTML document with no body (just the frameset definition)

- A frameset document holds a definition of:
  - the rectangular regions
  - number of rows and columns, and sizes of each
    - for each frame – an url that specifies what document should appear in that frame
  - You can also associate a name with each frame

Frameset Document Structure

```
<html>
<head>
<title>Frame Set Document</title>
</head>

<frameset ...>
    definition of each frame
</frameset>

</html>
```

NO <body>

The frameset HTML tag

- The <frameset> tag defines how to divide the window into frames
  - the number of rows/columns and sizes of each

- Attributes:
  - rows: specifies how many rows and the size of each
  - cols: specifies how many columns and the size of each

Frameset attribute: rows

- Value is a comma separated list of row sizes
  - First value is size of topmost row, last value is size of bottom row

  - Sizes can be absolute (in pixels), a percentage of the entire page height, or you can tell the browser to try to determine the best height.

Frameset rows examples

<frameset rows="50%,50%">

* means all remaining space

<frameset rows="100,400,*">
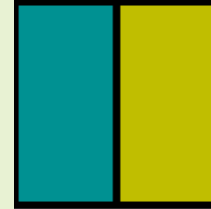
<frameset rows="10%,*,10%">

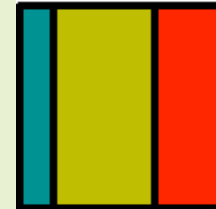# frameset cols examples
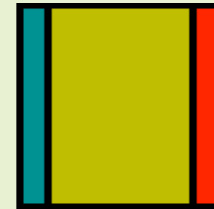
- **<frameset cols="50%,50%">**

- **<frameset cols="100,400,*">**
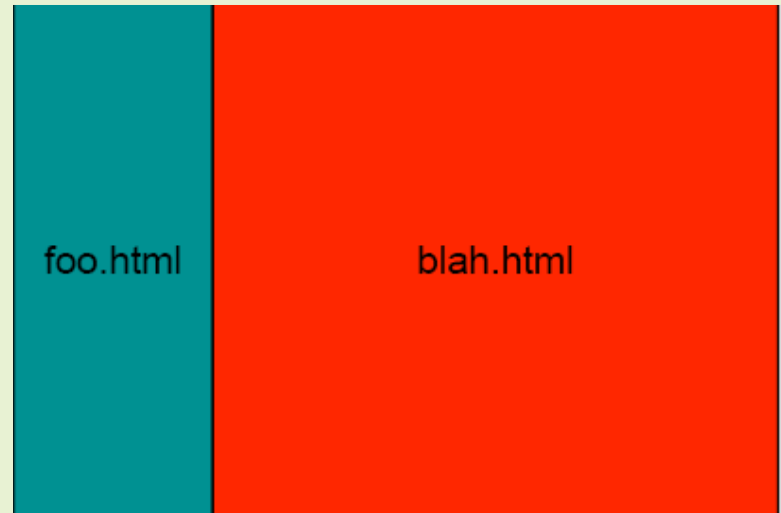
- **<frameset cols="10%,*,10%">**

Frameset example

```
<frameset rows="*,*">
  <frame src="foo.html">
   <frame src="blah.html">
</frameset>
```

foo.html

blah.html
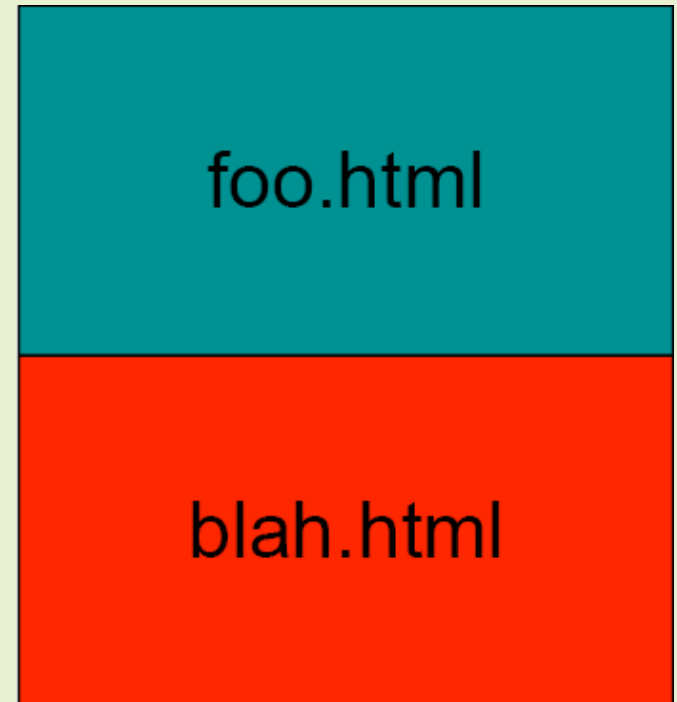
Frameset example

```
<frameset cols="25%,75%">
<frame src="foo.html">
<frame src="blah.html">
</frameset>
```

Example 1 – Frameset Document

```
Homepage - Notepad
File   Edit   Format   View   Help

<html>
<head>
<title> Frames </title>
</head>


<frameset cols="25%,75%">
<frame src="foo.html">
<frame src="blah.html">
</frameset>



</html>
```
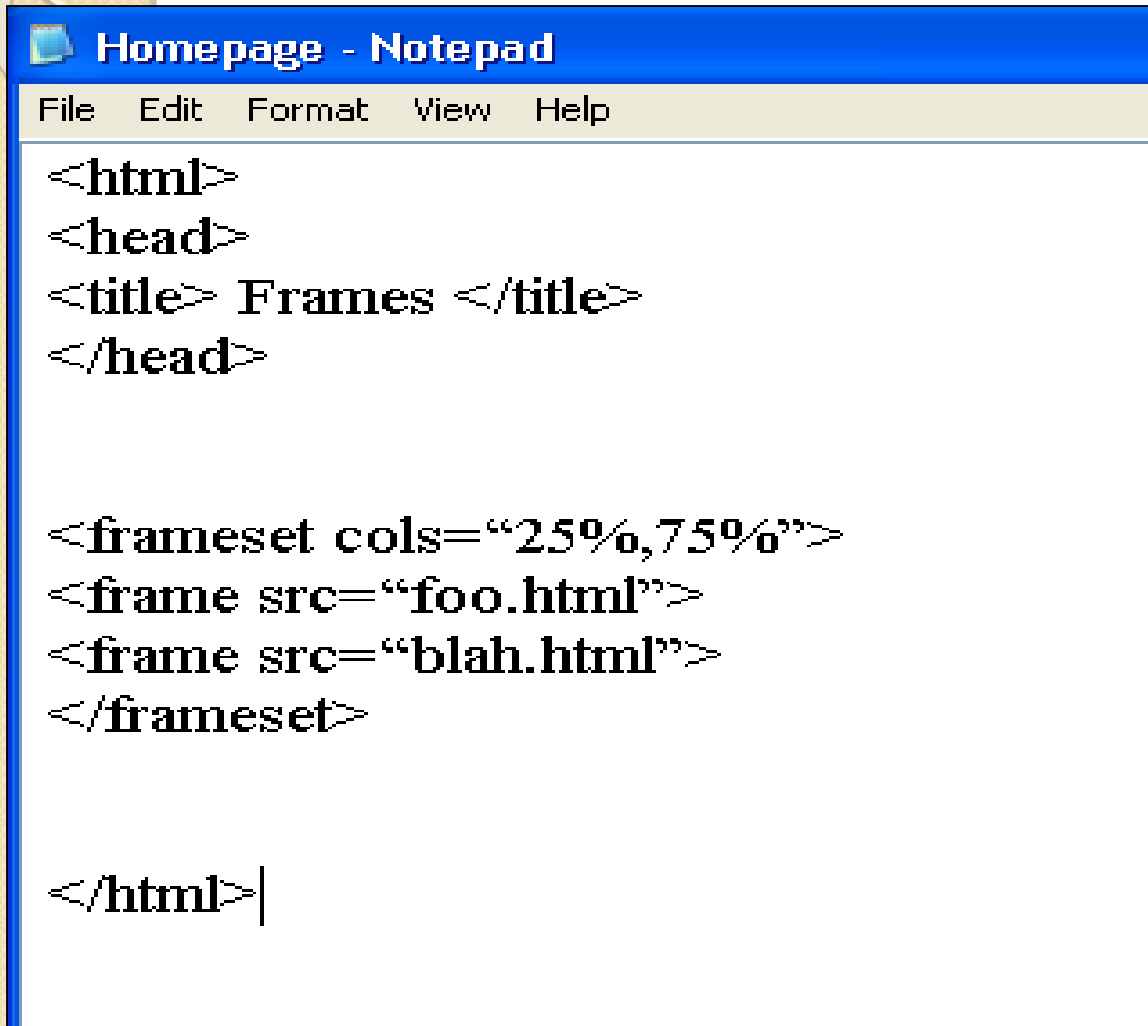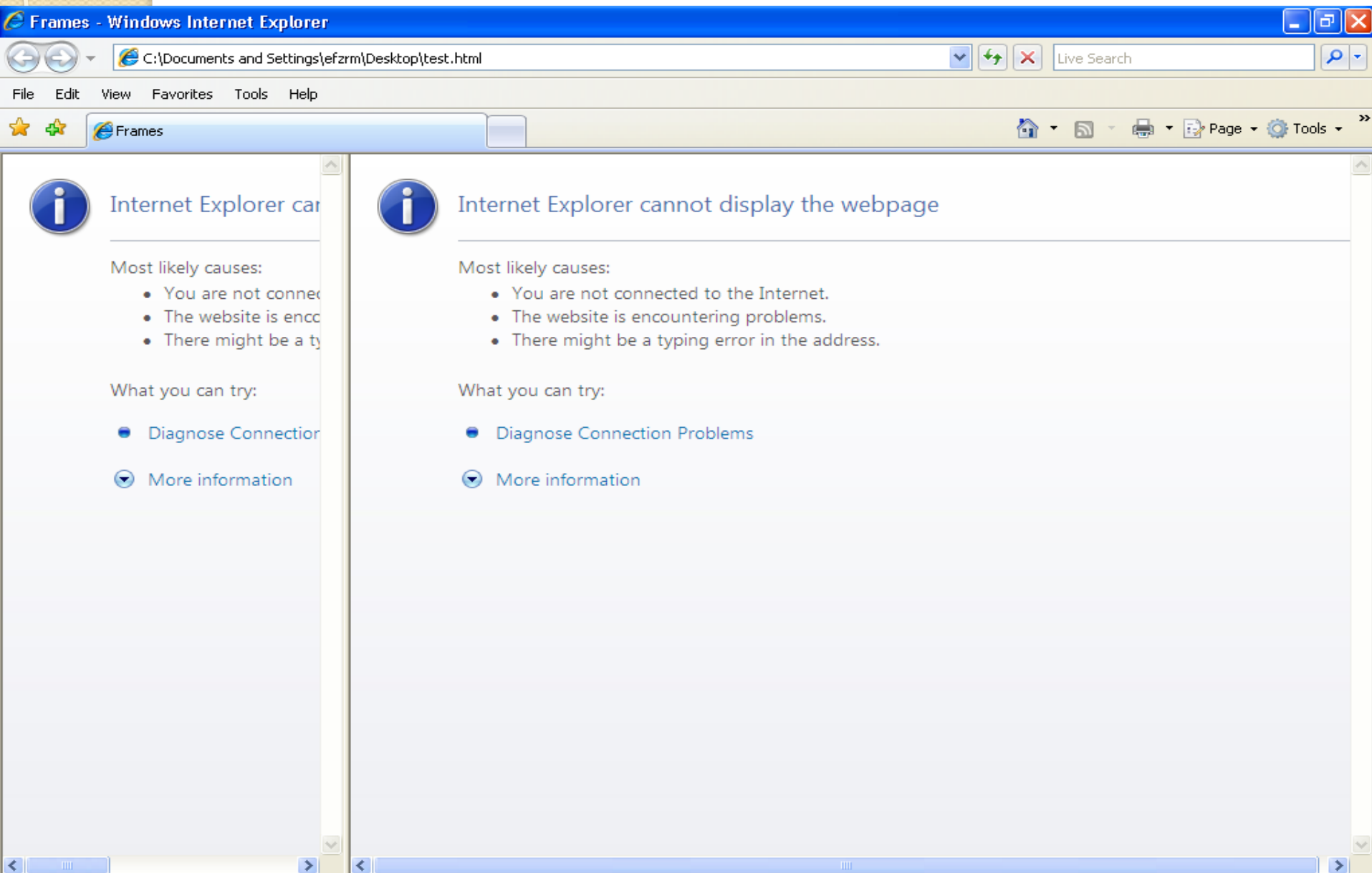
- Key in the following HTML codes

- Save the Frameset Document as Homepage.html

Error Message in Frameset

Hyperlinks and Frames

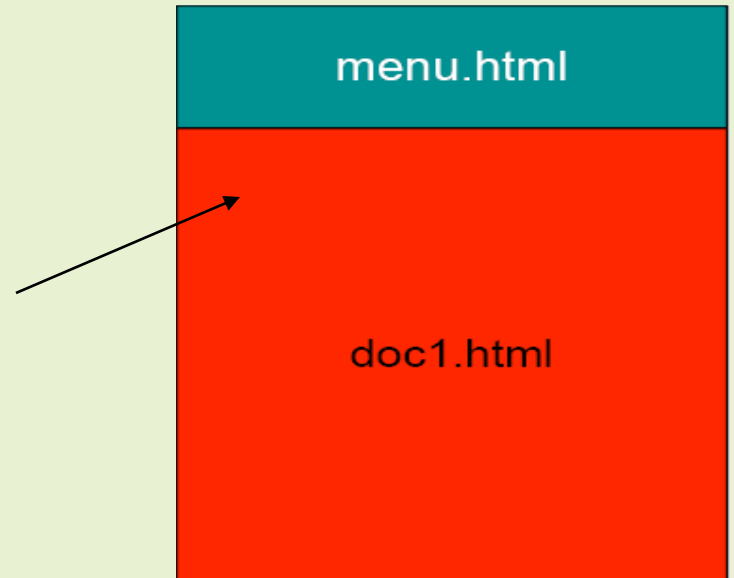- The <A> tag has an attribute: **target**

  <A href="foo.html" target="fred">

➢ The target is the name of a window or *frame* in which you want the new document to appear.

➢ By default the new document will appear in the same window/frame as the one containing the hyperlink

Links Frames Example

<frameset rows="100,*">

<frame src="menu.html">

<frame src="doc1.html" name="main">

</frameset>

NAME="MAIN"

Example (cont.)

<p>My Favorite Links:

<A href="http://google.com"   target="main">Google</A>

<A href="http://www.rpi.edu"   target="main">RPI</A>

<A href= "http://www.cs.rpi.edu" target="main">CS</A>

</p>

Targets and Reserved Frame Names

| Reserved Target Name	Description
_blank	Loads the document into a new browser window
_self	Loads the document into the same frame or window that contains the hypertext link tag
_parent	In a layout of nested frames, loads the document into the frame that contains the frame with the hyperlink tag.
_top	Loads the document into the full display area, replacing the current frame layout.

Work with hyperlinks

Target

<Target = >

- Target allows to open a link in a particular window or in a new window created especially for that link.

- This way, the page that contains the link stay open, enabling the user to go back and forth between the page of links.

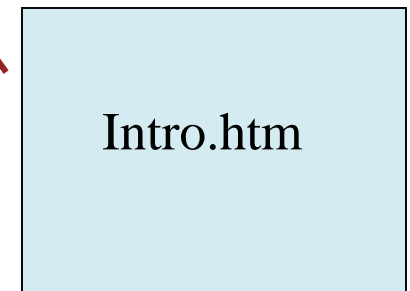- With in the link definition type :

target = "window"

myhomepage.html

<frameset>
<frame name=?>
defined here

leftframe
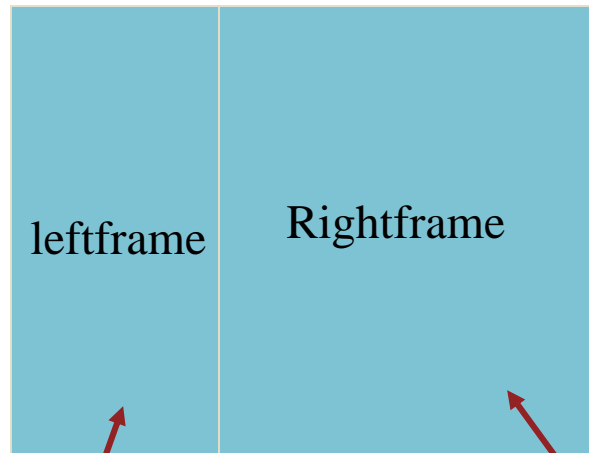
Rightframe

Links within
each frame
are "targetted"
into the right
frames

menu.htm
<a href="?">

Intro.htm
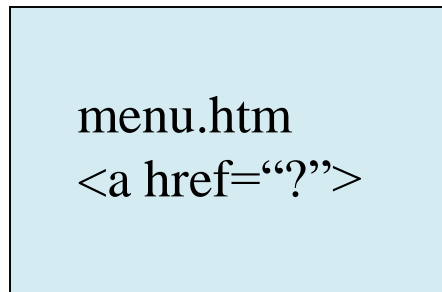
Exercise

frameset

Page 1
Page 2
Page 3

RESULT PAGE

Menu.html

Name="menu"

Resultpage.html

Name="resultpage"

Exercise

STEPS	CODE
Create the frameset	**<frameset cols="85,*">** **<frame src="menu.html" name="menu">** **<frame src="resultpage.html" name="resultpage">** **</frameset>**
Create the html files	
resultpage	**<html>** **<body>** **<h1>result page</h1>** **</body></html>**
Menu.html	**page 1** **page 2** **page 3**
Page_1.html **Page_2.html** **Page_3.html**	**<html>** **<body>** **<h1>page 1</h1>** **</body></html>**