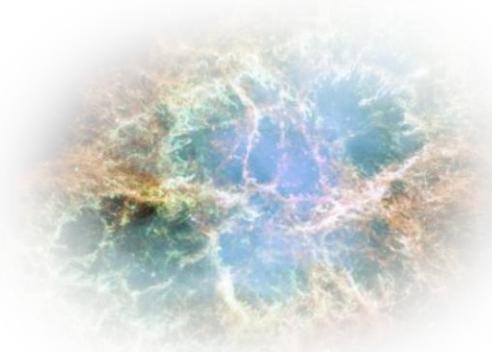


HTML Basics

Text, Images, Tables, Forms

ROW	ROW, DATE	ROW, NUMBER	ROW, ALPHABET SUBSTRING
0	04/01/1994	367	abcdeghijklm
1	25/04/1994	382	abcdeghijklm
2	25/04/1994	383	abcdeghijklm
3	13/05/1994	387	abcdeghijklm
4	15/05/1994	64	abcdeghijklm
5	09/06/1994	189	abcdeghijklm
6	25/07/1994	351	abcdeghijklm
7	25/07/1994	352	abcdeghijklm
8	25/07/1994	353	abcdeghijklm
9	25/07/1994	354	abcdeghijklm
10	25/07/1994	355	abcdeghijklm
11	25/07/1994	356	abcdeghijklm
12	25/07/1994	357	abcdeghijklm
13	25/07/1994	358	abcdeghijklm
14	25/07/1994	359	abcdeghijklm
15	25/07/1994	360	abcdeghijklm
16	25/07/1994	361	abcdeghijklm
17	25/07/1994	362	abcdeghijklm
18	25/07/1994	363	abcdeghijklm
19	25/07/1994	364	abcdeghijklm
20	25/07/1994	365	abcdeghijklm
21	25/07/1994	366	abcdeghijklm
22	25/07/1994	367	abcdeghijklm
23	25/07/1994	368	abcdeghijklm
24	25/07/1994	369	abcdeghijklm
25	25/07/1994	370	abcdeghijklm
26	25/07/1994	371	abcdeghijklm
27	25/07/1994	372	abcdeghijklm
28	25/07/1994	373	abcdeghijklm
29	25/07/1994	374	abcdeghijklm
30	25/07/1994	375	abcdeghijklm
31	25/07/1994	376	abcdeghijklm
32	25/07/1994	377	abcdeghijklm
33	25/07/1994	378	abcdeghijklm
34	25/07/1994	379	abcdeghijklm
35	25/07/1994	380	abcdeghijklm
36	25/07/1994	381	abcdeghijklm
37	25/07/1994	382	abcdeghijklm
38	25/07/1994	383	abcdeghijklm
39	25/07/1994	384	abcdeghijklm
40	25/07/1994	385	abcdeghijklm
41	25/07/1994	386	abcdeghijklm
42	25/07/1994	387	abcdeghijklm
43	25/07/1994	388	abcdeghijklm
44	25/07/1994	389	abcdeghijklm
45	25/07/1994	390	abcdeghijklm
46	25/07/1994	391	abcdeghijklm
47	25/07/1994	392	abcdeghijklm
48	25/07/1994	393	abcdeghijklm
49	25/07/1994	394	abcdeghijklm
50	25/07/1994	395	abcdeghijklm
51	25/07/1994	396	abcdeghijklm
52	25/07/1994	397	abcdeghijklm
53	25/07/1994	398	abcdeghijklm
54	25/07/1994	399	abcdeghijklm
55	25/07/1994	400	abcdeghijklm



HTML Structure

- HTML is comprised of “elements” and “tags”
 - Begins with `<html>` and ends with `</html>`
 - Elements (tags) are nested one inside another:

```
<html> <head></head> <body></body> </html>
```

- Tags have attributes:

```

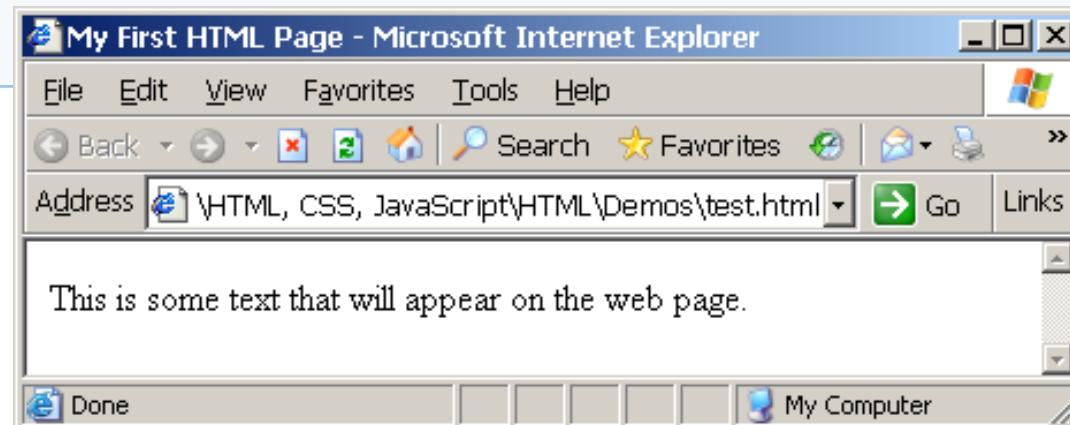
```

- HTML describes structure using two main sections:
`<head>` and `<body>`

First HTML Page

test.html

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>My First HTML Page</title>
  </head>
  <body>
    <p>This is some text...</p>
  </body>
</html>
```



Tags Attributes

- Tags can have attributes
 - Attributes specify properties and behavior
 - Example:
 - Few attributes can apply to every element:
 - `id, style, class, title`
 - The `id` is unique in the document
 - Content of `title` attribute is displayed as hint when the element is hovered with the mouse
 - Some elements have obligatory attributes

Attribute `alt` with value "logo"

```

```

Headings and Paragraphs

- Heading Tags (h1 – h6)

```
<h1>Heading 1</h1>
<h2>Sub heading 2</h2>
<h3>Sub heading 3</h3>
```

- Paragraph Tags

```
<p>This is my first paragraph</p>
<p>This is my second paragraph</p>
```

- Sections: div and span

```
<div style="background: skyblue;">
    This is a div</div>
```

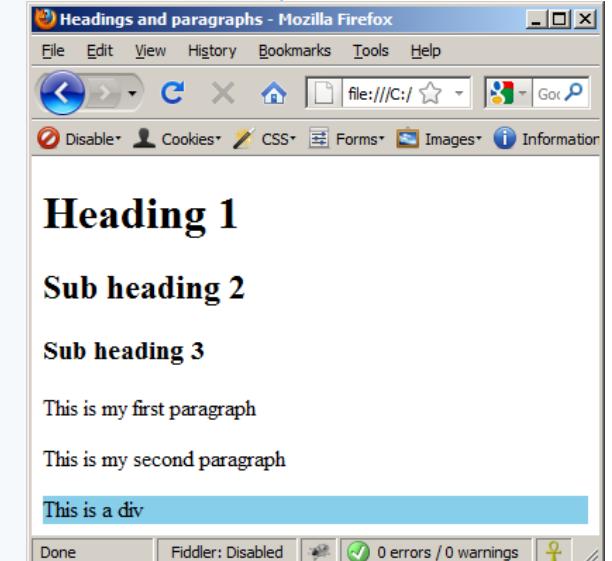
Headings and Paragraphs – Example

headings.html

```
<!DOCTYPE HTML>
<html>
    <head><title>Headings and paragraphs</title></head>
    <body>
        <h1>Heading 1</h1>
        <h2>Sub heading 2</h2>
        <h3>Sub heading 3</h3>

        <p>This is my first paragraph</p>
        <p>This is my second paragraph</p>

        <div style="background:skyblue">
            This is a div</div>
    </body>
</html>
```



The <!DOCTYPE> Declaration

- HTML documents must start with a document type definition (DTD)
 - It tells web browsers what type is the served code
 - Possible versions: HTML 4.01, XHTML 1.0 (Transitional or Strict), XHTML 1.1, HTML 5
- Example:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

- See <http://w3.org/QA/2002/04/valid-dtd-list.html> for a list of possible doctypes

HTML vs. XHTML

- XHTML is more strict than HTML
- Tags and attribute names must be in lowercase
- All tags must be closed (`
`, ``) while HTML allows `
` and `` and implies missing closing tags (`<p>par1 <p>par2`)
- XHTML allows only one root `<html>` element (HTML allows more than one)
- XHTML or EXtensible HyperText Markup Language is a mix of HTML and XML, very similar to HTML
- Some differences between HTML and XHTML include:
 - Closing tags: HTML allows some elements to not have a closing tag, but XHTML requires all elements to have a closing tag.
 - Overlapping elements: XHTML does not allow elements to overlap, but HTML does.
 - Attribute values: XHTML requires all attribute values to be quoted, including numeric values, but HTML does not.
 - Minimized attributes: XHTML does not allow attributes to be minimized, but HTML does.

XHTML vs. HTML (2)

- Many element attributes are deprecated in XHTML, most are moved to CSS
- Attribute minimization is forbidden, e.g.

```
<input type="checkbox" checked>
```



```
<input type="checkbox" checked="checked" />
```

- Note: Web browsers load XHTML faster than HTML.

The <head> Section

- Contains information that doesn't show directly on the viewable page
- Starts after the <!doctype> declaration
- Begins with <head> and ends with </head>
- Contains mandatory single <title> tag
- Can contain some other tags, e.g.
 - <meta>
 - <script>
 - <style>
 - <!-- comments -->

<head> Section: <title> tag

- Title should be placed between <head> and </head> tags

```
<title> WELCOME TO HTML </title>
```

- Used to specify a title in the window title bar
- Search engines and people rely on titles

<head> Section: <meta>

- Meta tags additionally describe the content contained within the page

```
<meta name="description" content="HTML  
tutorial" />
```

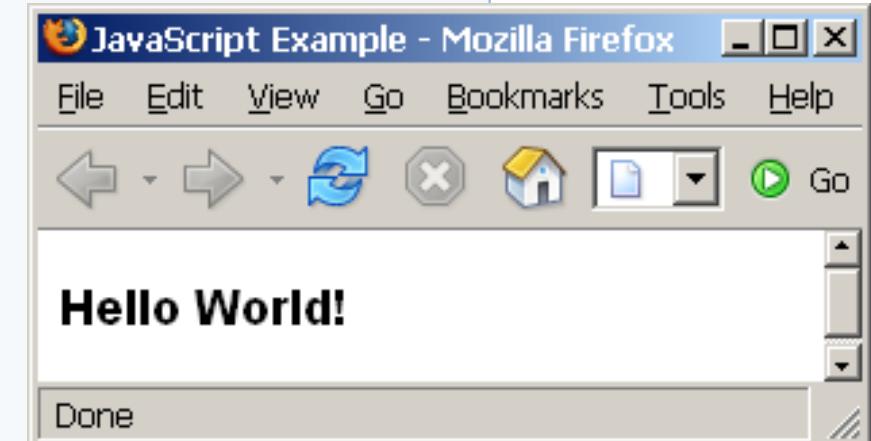
```
<meta name="keywords" content="html, web  
design, styles" />
```

```
<meta name="author" content="Chris Brewer" />
```

```
<meta http-equiv="refresh" content="5;  
url=http://www.google.com" />
```

The <script> Tag – Example

```
<!DOCTYPE HTML>                                         scripts-example.html
<html>
  <head>
    <title>JavaScript Example</title>
    <script type="text/javascript">
      function sayHello() {
        document.write("<p>Hello World!</p>");
      }
    </script>
  </head>
  <body>
    <script type=
      "text/javascript">
      sayHello();
    </script>
  </body>
</html>
```



<body> Section: Introduction

- The <body> section describes the viewable portion of the page
- Starts after the <head> </head> section
- Begins with <body> and ends with </body>

```
<html>
  <head><title>Test page</title></head>
  <body>
    <!-- This is the Web page body -->
  </body>
</html>
```

Text Formatting

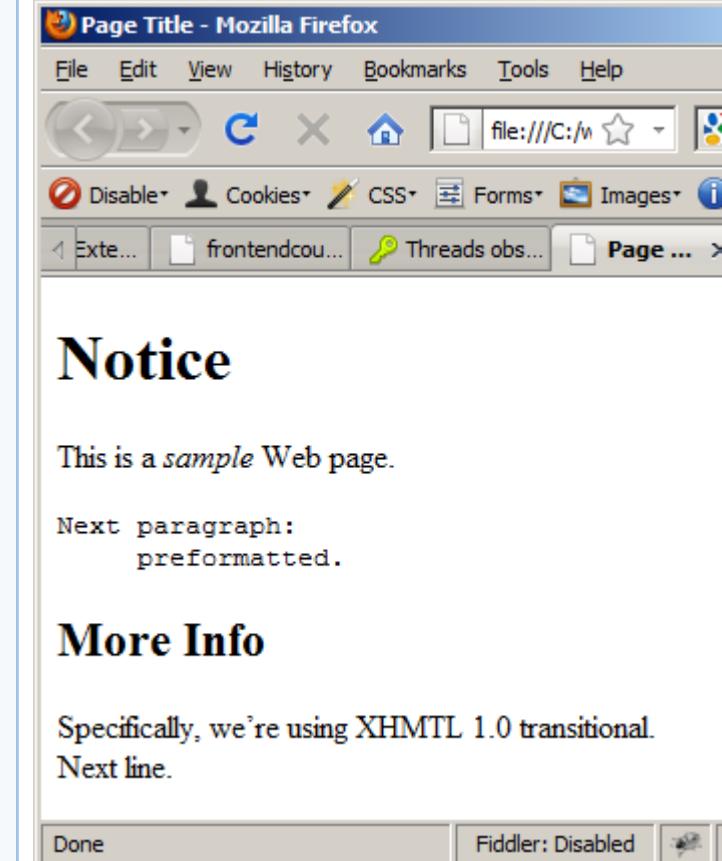
- Text formatting tags modify the text between the opening tag and the closing tag
 - Ex. Hello makes “Hello” bold

	bold
<i></i>	<i>italicized</i>
<u></u>	<u>underlined</u>
	Sample ^{superscript}
	Sample _{subscript}
	strong
	<i>emphasized</i>
<pre></pre>	Preformatted text
<blockquote></blockquote>	Quoted text block
	Deleted text – strike through

Text Formatting – Example

[text-formatting.html](#)

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">  
<html>  
  <head>  
    <title>Page Title</title>  
  </head>  
  <body>  
    <h1>Notice</h1>  
    <p>This is a <em>sample</em> Web page.</p>  
    <p><pre>Next paragraph:  
      preformatted.</pre></p>  
    <h2>More Info</h2>  
    <p>Specifically, we're using XHMTL 1.0 transitional.<br />  
      Next line.</p>  
  </body>  
</html>
```



Hyperlinks: <a> Tag

- Link to a document called `form.html` on the same server in the same directory:

```
<a href="form.html">Fill Our Form</a>
```

- Link to a document called `parent.html` on the same server in the parent directory:

```
<a href="../parent.html">Parent</a>
```

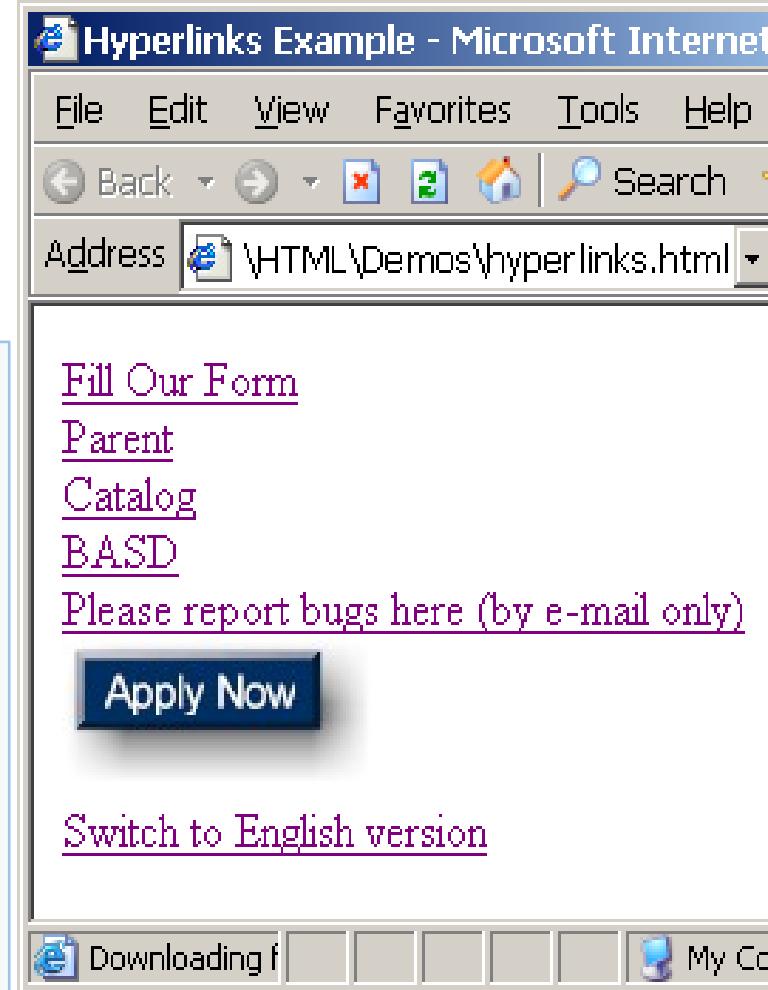
- Link to a document called `cat.html` on the same server in the subdirectory `stuff`:

```
<a href="stuff/cat.html">Catalog</a>
```

Hyperlinks – Example

hyperlinks.html

```
<a href="form.html">Fill Our Form</a> <br />
<a href=".../parent.html">Parent</a> <br />
<a href="stuff/cat.html">Catalog</a> <br />
<a href="http://www.devbg.org" target="_blank">BASD</a>
<br />
<a href="mailto:bugs@example.com?subject=Bug
Report">Please report bugs here (by e-mail only)</a>
<br />
<a href="apply-now.html"></a> <br />
<a href=".../english/index.html">Switch to English
version</a> <br />
```



Images: tag

- ◆ Inserting an image with tag:

```

```

- ◆ Image attributes:

src	Location of image file (relative or absolute)
alt	Substitute text for display (e.g. in text mode)
height	Number of pixels of the height
width	Number of pixels of the width
border	Size of border, 0 for no border

- ◆ Example:

```

```

Lists

HTML supplies several list elements. Most list elements are composed of one or more (List Item) elements.

Ordered list.

Unordered list.

Definition list.

Ordered Lists: Tag

- Create an Ordered List using :

```
<ol type="1">
  <li>Apple</li>
  <li>Orange</li>
  <li>Grapefruit</li>
</ol>
```

- Attribute values for type are 1, A, a, I, or i

1. Apple
2. Orange
3. Grapefruit

A. Apple
B. Orange
C. Grapefruit

a. Apple
b. Orange
c. Grapefruit

I. Apple
II. Orange
III. Grapefruit

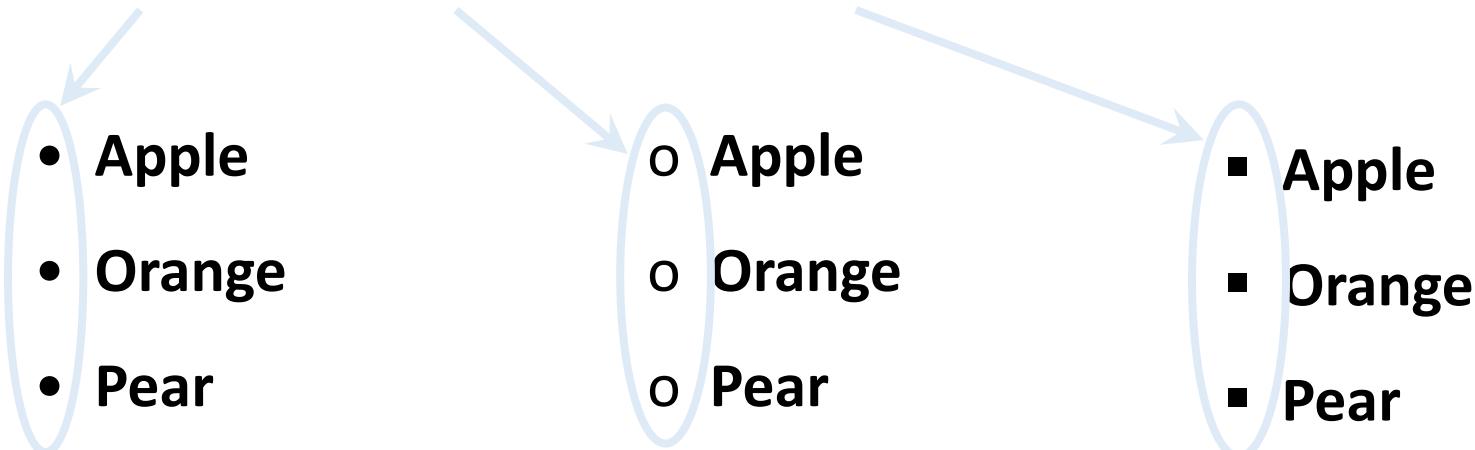
i. Apple
ii. Orange
iii. Grapefruit

Unordered Lists: Tag

- Create an Unordered List using :

```
<ul type="disk">
  <li>Apple</li>
  <li>Orange</li>
  <li>Grapefruit</li>
</ul>
```

- Attribute values for type are:
 - disc, circle or square



Definition lists: <dl> tag

- Create definition lists using <dl>
 - Pairs of text and associated definition; text is in <dt> tag, definition in <dd> tag
 - Renders without bullets
 - Definition is indented

```
<dl>
  <dt>HTML</dt>
  <dd>A markup language ...</dd>
  <dt>CSS</dt>
  <dd>Language used to ...</dd>
</dl>
```

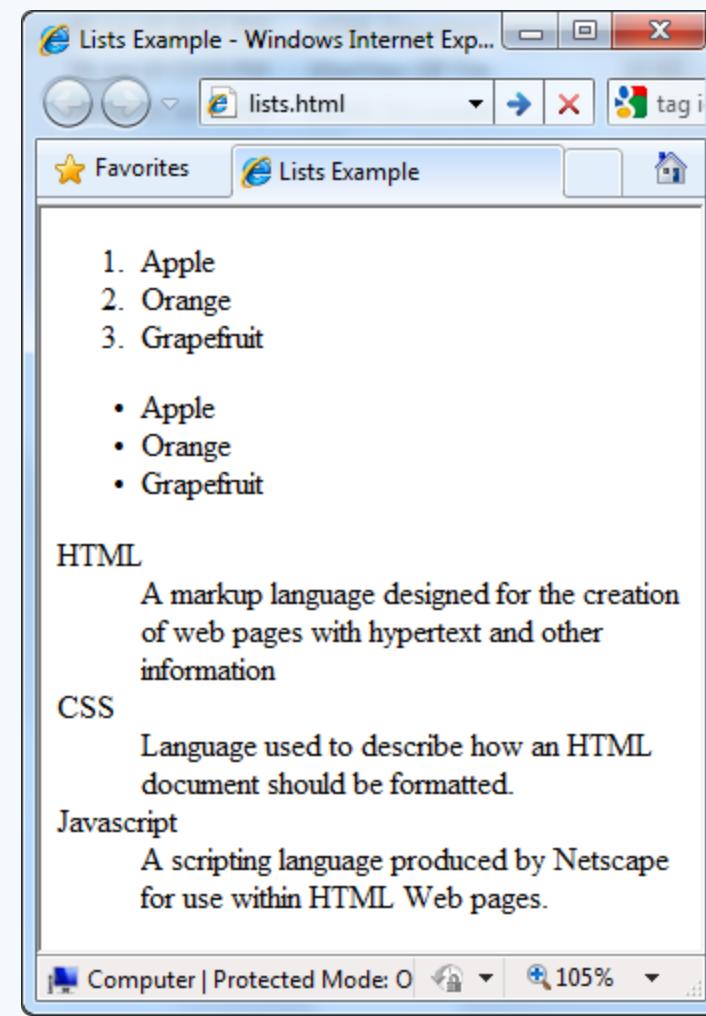
Lists – Example

lists.html

```
<ol type="1">
  <li>Apple</li>
  <li>Orange</li>
  <li>Grapefruit</li>
</ol>

<ul type="disc">
  <li>Apple</li>
  <li>Orange</li>
  <li>Grapefruit</li>
</ul>

<dl>
  <dt>HTML</dt>
  <dd>A markup lang...</dd>
</dl>
```



HTML Special Characters

Symbol Name	HTML Entity	Symbol
Copyright Sign	©	©
Registered Trademark Sign	®	®
Trademark Sign	™	™
Less Than	<	<
Greater Than	>	>
Ampersand	&	&
Non-breaking Space	 	
Em Dash	—	—
Quotation Mark	"	"
Euro	€	€
British Pound	£	£
Japanese Yen	¥	¥

HTML Tables



CS time	European date (D/M/Y) & time	Y-M-D date & time	Dollar	Chinese money	IP addresses	Names	Numbers
	29/10/1965	83-03-24		YMB 4	98.176.35.80		26.32 E +03
Fri Mar 22 21:48:49 UTC+0200 1957		1967-08-22 06:07:16 PM		YMB -81.38	162.117.253.34	dyse chidi	
Fri, 14 Feb 2002 04:24:20 UTC	06/07/99 06:46:01 AM	81-02-04 09:09:54 AM		YMB -108.83	122.205.50.6	bochai dychai	-191.45E-05
Monday, May 30, 1994 4:47:31 PM	06/09/05 05:11:16 AM			YMB 33.16		dydy balie	-131.20E+01
09/28/2000	24/11/1957		\$-38.77	YMB 112.42	15.192.151.209		
		97-08-13 00:01:33 AM	\$14.5	YMB -1.75	99.93.147.150	dychai tonchai	-187.28E-05
Mon, 29 Oct 1979 00:44:03 UTC		87-10-16	\$14.66	YMB 61.14		chite malie	- 125.19 E -03
Sat, 9 Jan 1982 05:45:06 UTC	04/06/68	74-10-20	\$20.47		121.169.225.22	dyma bama	138.11E+02
04/05/75		2000-03-20	\$68.84	YMB 88.19	239.133.227.68	made liete	195.44 E +03
Monday, July 15, 2002 10:57:02 AM	01/02/1961 09:40:16 AM		\$97.9	YMB 44.28	223.66.228.116	mava sete	-107
this is footer	row	number	ONE!	adsf	adsf	adsf	adsf

Title	Title	Title	Title	Title	Title
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data

HTML Tables

- Tables represent tabular data
 - A table consists of one or several rows
 - Each row has one or more columns
- Tables comprised of several core tags:
`<table></table>`: begin / end the table
`<tr></tr>`: create a table row
`<td></td>`: create tabular data (cell)
- Tables should not be used for layout. Use CSS floats and positioning styles instead

HTML Table:

```
<table>
<colgroup>
  <col style="width:200px" /><col />
</colgroup>
<thead>
  <tr><th>Column 1</th><th>Column 2</th></tr>
</thead>
<tfoot>
  <tr><td>Footer 1</td><td>Footer 2</td></tr>
</tfoot>
<tbody>
  <tr><td>Cell 1.1</td><td>Cell 1.2</td></tr>
  <tr><td>Cell 2.1</td><td>Cell 2.2</td></tr>
</tbody>
</table>
```

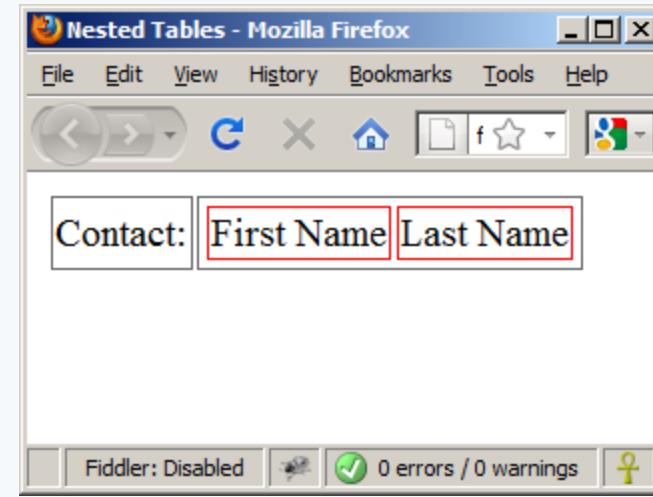
Column 1	Column 2
Cell 1.1	Cell 1.2
Cell 2.1	Cell 2.2
Footer 1	Footer 2

Nested Tables

- Table data “cells” (`<td>`) can contain nested tables (tables within tables):

```
<table>
  <tr>
    <td>Contact:</td>
    <td>
      <table>
        <tr>
          <td>First Name</td>
          <td>Last Name</td>
        </tr>
      </table>
    </td>
  </tr>
</table>
```

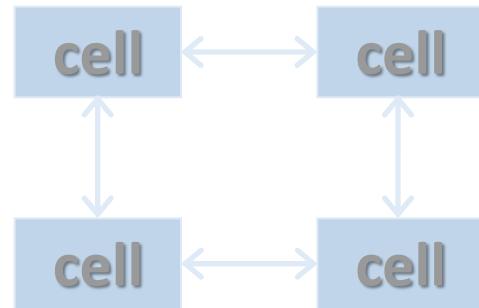
nested-tables.html



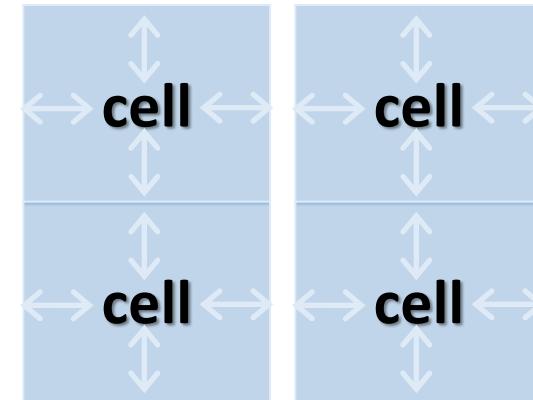
Cell Spacing and Padding

- Tables have two important attributes:

- ◆ **cellspacing**



- ◆ **cellpadding**



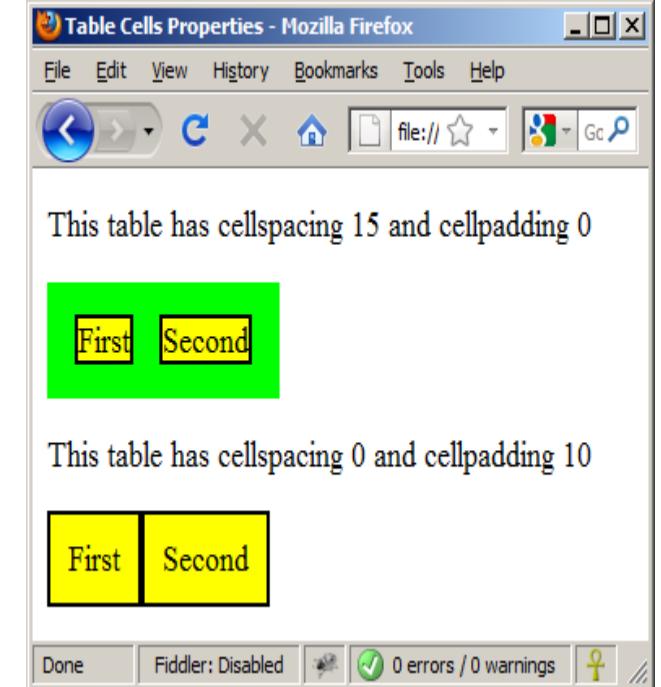
- ◆ **Defines the empty space between cells**

- ◆ **Defines the empty space around the cell content**

Cell Spacing and Padding – Example

table-cells.html

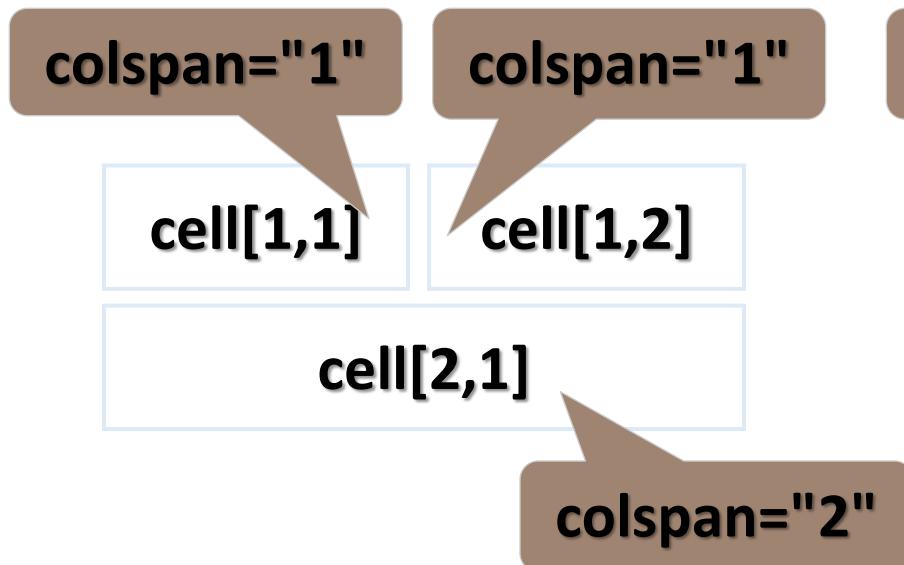
```
<html>
  <head><title>Table Cells</title></head>
  <body>
    <table cellspacing="15" cellpadding="0">
      <tr><td>First</td>
      <td>Second</td></tr>
    </table>
    <br/>
    <table cellspacing="0" cellpadding="10">
      <tr><td>First</td><td>Second</td></tr>
    </table>
  </body>
</html>
```



Column and Row Span

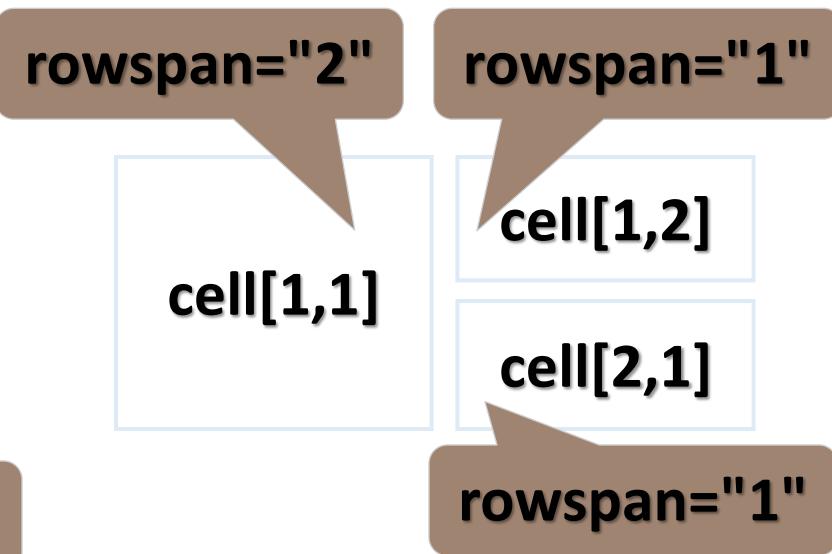
- Table cells have two important attributes:

- ◆ **colspan**



- ◆ **Defines how many columns the cell occupies**

- ◆ **rowspan**



- ◆ **Defines how many rows the cell occupies**

Column and Row Span –

table-colspan-rowspan.html

```
<table cellspacing="0">
    <tr class="1"><td>Cell[1,1]</td>
        <td colspan="2">Cell[2,1]</td></tr>
    <tr class="2"><td>Cell[1,2]</td>
        <td rowspan="2">Cell[2,2]</td>
        <td>Cell[3,2]</td></tr>
    <tr class="3"><td>Cell[1,3]</td>
        <td>Cell[2,3]</td></tr>
</table>
```

Cell[1,1]	Cell[2,1]
Cell[1,2]	Cell[3,2]
Cell[1,3]	Cell[2,3]



HTML Forms

Entering User Data from a Web Page

The screenshot shows a Microsoft Internet Explorer window titled "Art School Form". The page contains several input fields and radio buttons:

- First Name: [text input field]
- Last Name: [text input field]
- Age:
 - 1-17 yrs [radio button]
 - 18 yrs and over [radio button]
- I would like to learn to work with:
 - watercolors [checkbox]
 - acrylics [checkbox]
 - pastels [checkbox]
- I am interested in art lessons because:
 - [text area]
- Send me an application now! [button]

The screenshot shows a Mozilla Firefox window titled "Registration Form". The page includes the following form elements:

- User name: [text input field]
- Password: [text input field]
- Gender: Male Female
- Click to accept our terms:
- Register [button]
- Reset [button]

A green checkmark icon is positioned next to the "HTML" tab at the bottom of the browser window.

HTML Forms

- An HTML form is a section of a document which contains controls such as text fields, password fields, checkboxes, radio buttons, submit button, menus etc.
- An HTML form facilitates the user to enter data that is to be sent to the server for processing such as name, email address, password, phone number, etc.
- HTML forms are required if you want to collect some data from of the site visitor.
- SYNTAX:

```
<form action="server url" method="get|post">  </form>
```

- Forms are the primary method for gathering data from site visitors
- Create a form block with

- Example:

```
<form name="myForm" method="post"
action="path/to/some-script.php">
  ...
</form>
```

HTML Form Tags

Tag	Description
<form>	It defines an HTML form to enter inputs by the user side.
<input>	It defines an input control.
<textarea>	It defines a multi-line input control.
<label>	It defines a label for an input element.
<fieldset>	It groups the related elements in a form.
<legend>	It defines a caption for a <fieldset> element.
<select>	It defines a drop-down list.
<optgroup>	It defines a group of related options in a drop-down list.
<option>	It defines an option in a drop-down list.
<button>	It defines a clickable button.

Form Fields

- Single-line text input fields:

```
<input type="text" name="FirstName" value="This  
is a text field" />
```

- Multi-line textarea fields:

```
<textarea name="Comments">This is a multi-line  
text field</textarea>
```

- Hidden fields contain data not shown to the user:

```
<input type="hidden" name="Account" value="This  
is a hidden text field" />
```

- Often used by JavaScript code

TEXT FIELD

```
<body>  
  <form>  
    Enter your name <br>  
    <input type="text" name="username">  
  </form>  
</body>
```

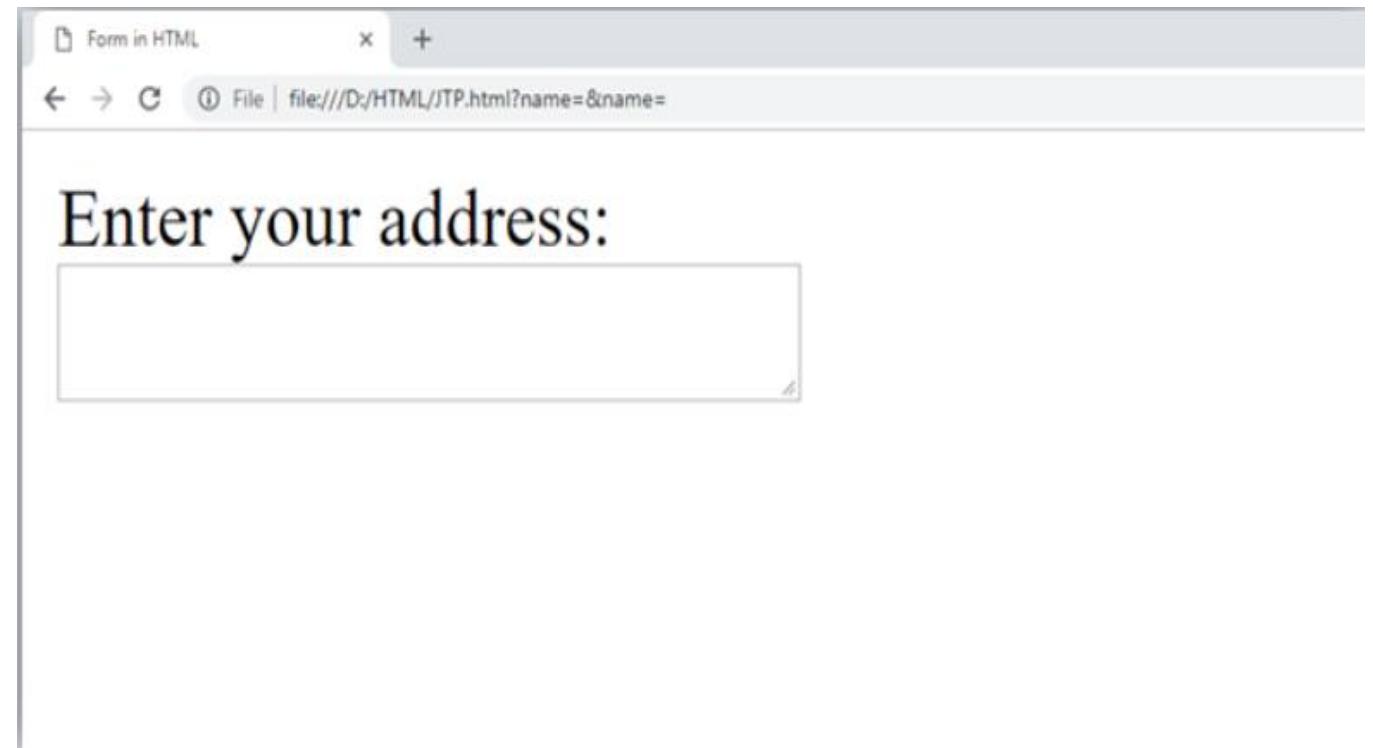
Enter your name

```
<form>  
  First Name: <input type="text" name="firstname"/> <br/>  
  Last Name: <input type="text" name="lastname"/> <br/>  
</form>
```

The screenshot shows a web browser window titled "Form in HTML". The address bar indicates the file is located at "file:///D:/HTML/JTP.html". The page contains a form with two text input fields. The first field is labeled "First Name:" and the second field is labeled "Last Name:". Both fields are currently empty.

TEXT AREA

```
<!DOCTYPE html>
<html>
<head>
<title>Form in HTML</title>
</head>
<body>
<form>
    Enter your address:<br>
    <textarea rows="2" cols="20"></textarea>
</form>
</body>
</html>
```



Email and password fields

```
<!DOCTYPE html>
<html>
<head>
    <title>Form in HTML</title>
</head>
<body>
    <form method="post">
        Email: <input type="email" id="email" name="email"/> <br/>
        Password: <input type="password" id="password" name="password"/> <br/>
        <input type="submit" style="color: red" value="submit">
    </form>
</body>
</html>
```



Radio button

```
<form>
    <label for="gender">Gender: </label>
    <input type="radio" id="gender" name="gender" value="male"/>Male
    <input type="radio" id="gender" name="gender" value="female"/>Female <br/>
</form>
```

Gender: Male Female

Check box

```
<form>  
Hobby:<br>  
    <input type="checkbox" id="cricket" name="cricket" value="cricket"/>  
    <label for="cricket">Cricket</label> <br>  
    <input type="checkbox" id="football" name="football" value="football"/>  
    <label for="football">Football</label> <br>  
    <input type="checkbox" id="hockey" name="hockey" value="hockey"/>  
    <label for="hockey">Hockey</label>  
</form>
```

Hobby:

- Cricket
- Football
- Hockey

<fieldset> The **<fieldset>** element in HTML is used to group the related information of a form. This element is used with **<legend>** element which provide caption for the grouped elements.

```
<form>
  <fieldset>
    <legend>User Information:</legend>
    <label for="name">Enter name</label> <br>
    <input type="text" id="name" name="name"> <br>
    <label for="pass">Enter Password</label> <br>
    <input type="Password" id="pass" name="pass"> <br>
    <input type="submit" value="submit">
  </fieldset>
</form>
```

User Information:

Enter name

Enter Password

submit

EXAMPLE:

HTML Forms Example - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Academic information

Degree Master of Business Administration

Student ID

Classes attended Geography
Mathematics
English

Personal Details

First Name

Last Name

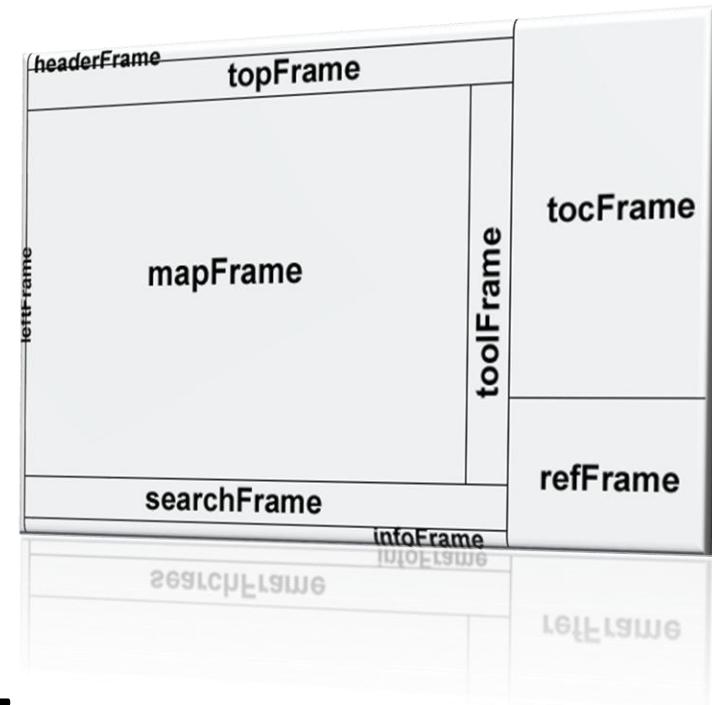
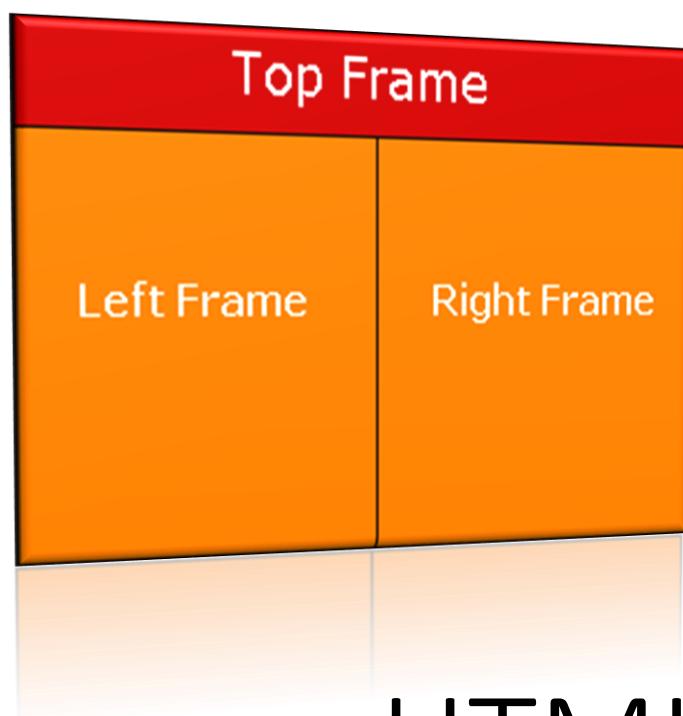
Gender: Male Female

Email

TERMS AND CONDITIONS...

Send Form Clear Form

Done Fiddler: Disabled



HTML Frames

<frameset>, <frame> and <iframe>

HTML Frames

- Frames provide a way to show multiple HTML documents in a single Web page
- The page can be split into separate views (frames) horizontally and vertically
- Frames were popular in the early ages of HTML development, but now their usage is rejected
- Frames are not supported by all user agents (browsers, search engines, etc.)
 - A <noframes> element is used to provide content for non-compatible agents.

- Frames provide a pleasing interface which makes your website easy to navigate.
- Frameset contains a set of references to HTML files, each of which is displayed inside a separate frame
- There are two tags related to frames i.e., frameset and frame.

<frameset cols="%" , "%" | rows="%" , "%>.....</frameset>

<frame name="name" src="filename" scrolling ="yes" | "no" frameborder ="0"|"1">

Attributes of <frameset> :

- **cols:** No. of columns are in the frameset
- **rows:** No. of rows are in the frameset
- **border:** Width of the border of each frame in pixels.
- **frameborder:** Three dimensional border should be displayed between frames or not. If it's value is 1, indicates border should be displayed.
- **framespacing:** Amount of space between frames in a frameset.

Attributes of <frame> :

- **src:** Indicates the file to be used.
- **name:** Name to the frame.
- **frameborder:** Its value 1 indicates yes, 0 indicates false.
- **marginwidth:** Width of the space between the left and right of the frame border's and the frames content.
- **marginheight:** Height of the space between the top and bottom of the frames borders and its contents.

EXAMPLE PROGRAM:

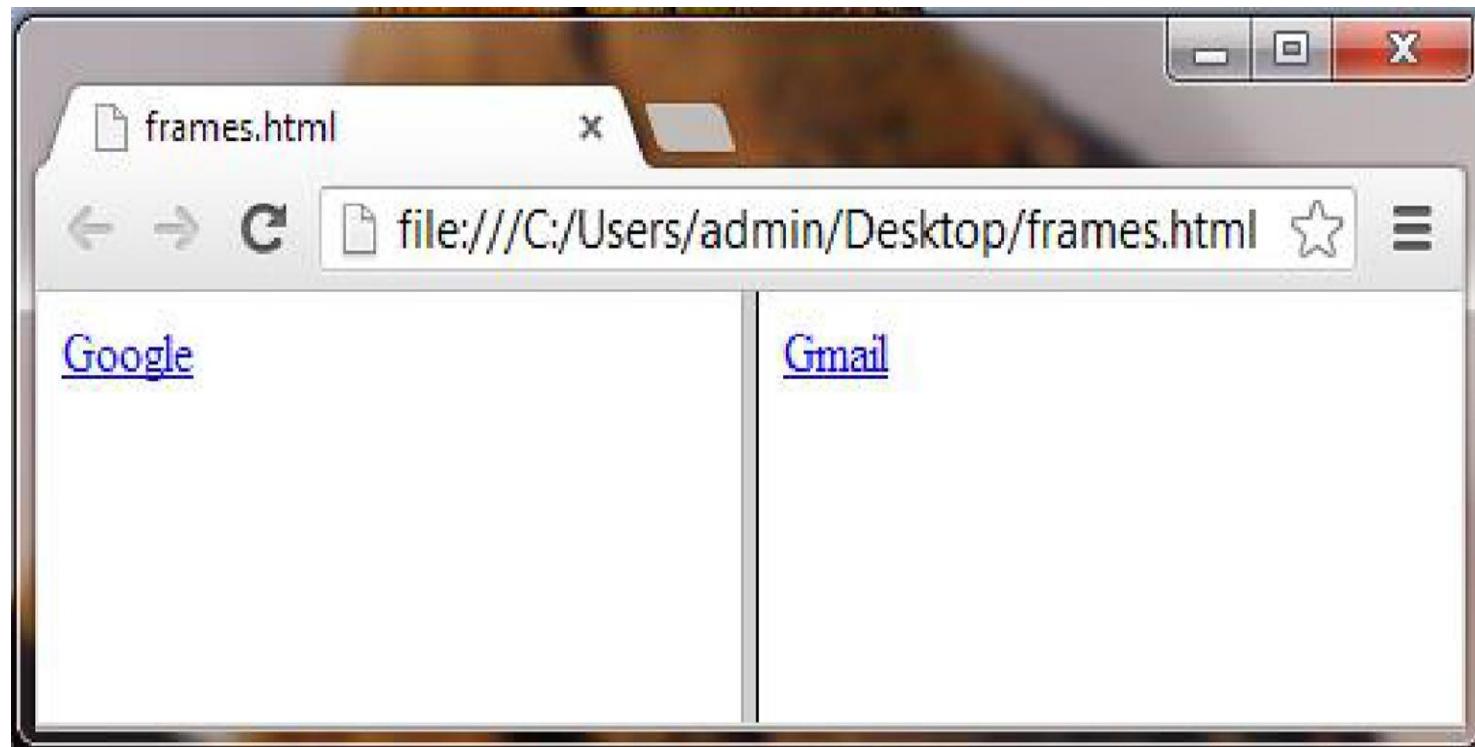
```
<html>
  <frameset cols="200,*">
    <frame src="d:\1.html" name="leftframe">
    <frame src="d:\2.html" name="rightframe">
  </frameset>
</html>
```

1.html

```
<html>
  <body>
    <a href="http://www.google.com" target="leftframe">Google</a>
  </body>
</html>
```

2.html

```
<html>
  <body>
    <a href="http://www.gmail.com" target="rightframe">Gmail</a>
  </body>
</html>
```



Inline Frames: <iframe>

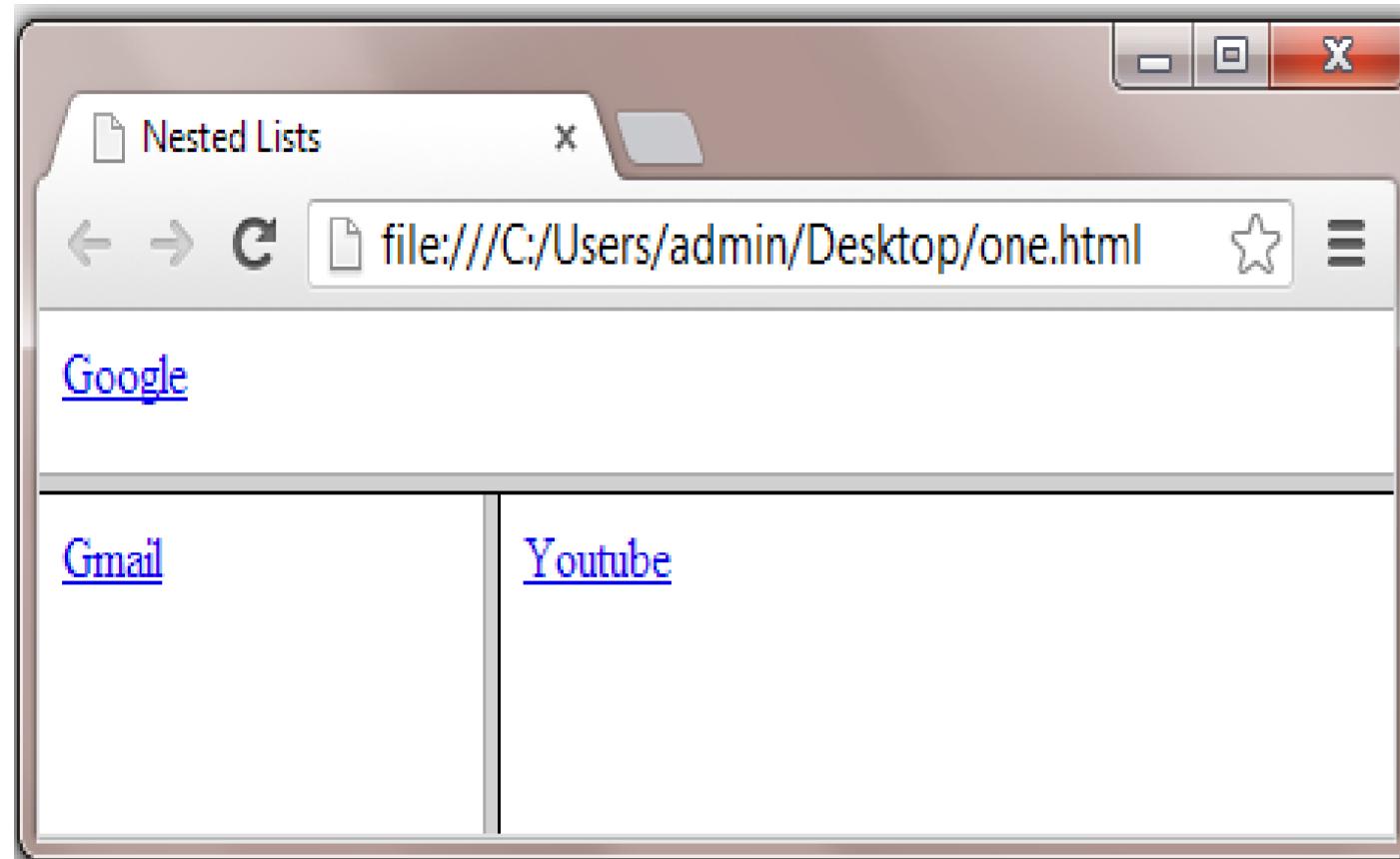
- Inline frames provide a way to show one website inside another website:

iframe-demo.html

```
<iframe name="iframeGoogle" width="600" height="400"  
src="http://www.google.com" frameborder="yes"  
scrolling="yes"></iframe>
```

Nested Frameset

```
<html>
<head>
    <title> Nested Lists </title>
</head>
<frameset rows="25%,50%">
    <frame name="a" src="d:\1.html">
<frameset cols="25%,50%">
    <frame name="b" src="d:\2.html">
    <frame name="abc" src="d:\3.html">
</frameset>
</frameset>
</html>
```



HTML5:

- HTML5 was the fifth and last major version of HTML that is a World Wide Web Consortium (W3C) recommendation.
- HTML5 is the new Standard for HTML

The most interesting new HTML5 elements are:

- New semantic elements like <header>, <footer>, <article>, and <section>.
- New attributes of form elements like number, date, time, calendar, and range.
- New graphic elements: <svg> and <canvas>.
- New multimedia elements: <audio> and <video>.
- HTML5 is an improved version of HTML that supports multimedia, graphics, mobile compatibility, and modern web features, making web development easier and more powerful.

HTML	HTML5
It didn't support audio and video without the use of flash player support.	It supports audio and video controls with the use of <audio> and <video> tags.
It uses cookies to store temporary data.	It uses SQL databases and application cache to store offline data.
Does not allow JavaScript to run in browser.	Allows JavaScript to run in background. This is possible due to JS Web worker API in HTML5.

Q1. Design the following template using HTML form controls and table tag elements.

Pizza Shop 2.0	
Name	<input type="text"/>
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> Hawaiian
Pizza Sauce	<input type="button" value="Tomato ▾"/>
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base
Delivery Instructions: 	
<input type="button" value="Send my order"/>	