The Frameset Tag

- The <frameset> tag defines how to divide the window into frames
- Each frameset defines a set of rows or columns
- The values of the rows/columns indicate the amount of screen area each row/column will occupy

The Frame Tag

The <frame> tag defines what HTML document to put into each frame

In the example below we have a frameset with two columns. The first column is set to 25% of the width of the browser window. The second column is set to 75% of the width of the browser window. The HTML document "frame_a.htm" is put into the first column, and the HTML document "frame_b.htm" is put into the second column:

```
<frameset cols="25%,75%">
  <frame src="frame_a.htm">
  <frame src="frame_b.htm">
  </frameset>
```

Note: The frameset column size value can also be set in pixels (cols="200,500"), and one of the columns can be set to use the remaining space (cols="25%,*").

Self Check - Useful Tips

If a frame has visible borders, the user can resize it by dragging the border. To prevent a user from doing this, you can add noresize="noresize" to the <frame> tag.

Add the <noframes> tag for browsers that do not support frames.

Important: You cannot use the <body></body> tags together with the <frameset></frameset> tags! However, if you add a <noframes> tag containing some text for browsers that do not support frames, you will have to enclose the text in <body></body> tags! See how it is done in the first example below.

Frame Tags

Tag	Description
<frameset></frameset>	Defines a set of frames
<frame/>	Defines a sub window (a frame)
<noframes></noframes>	Defines a noframe section for browsers that do not handle frames
<iframe></iframe>	Defines an inline sub window (frame)

1.4.14. Tables

Tables are defined with the tag. A table is divided into rows (with the tag), and each row is divided into data cells (with the tag). The letters td stands for "table data," which is the content of a data cell. A data cell can contain text, images, lists, paragraphs, forms, horizontal rules, tables, etc.

```
row 1, cell 1

2

2
```

How it looks in a browser:

Row 1, cell 1	row 1, cell 2
Row 2, cell 1	row 2, cell 2

Tables and the Border Attribute

If you do not specify a border attribute the table will be displayed without any borders. Sometimes this can be useful, but most of the time, you want the borders to show.

To display a table with borders, you will have to use the border attribute:

```
        Row 1, cell 1

        Row 1, cell 2

        Action 1, cell 2</ti>

        Action 2
        Action 3

        Action 3
        Action 3

        Action 3
```

Headings in a Table

Headings in a table are defined with the tag.

How it looks in a browser:

Heading	Another Heading
row 1, cell 1	row 1, cell 2
row 2, cell 1	row 2, cell 2

Empty Cells in a Table

Table cells with no content are not displayed very well in most browsers.

```
row 1, cell 1

row 1, cell 2

row 2, cell 1
```

How it looks in a browser:

row 1, cell 1	row 1, cell 2
row 2, cell 1	

Note that the borders around the empty table cell are missing (NB! Mozilla Firefox displays the border).

To avoid this, add a non-breaking space () to empty data cells, to make the borders visible:

```
row 1, cell 1

row 1, cell 2

row 1, cell 2

row 2, cell 1

row 2, cell 1

td>anbsp;
```

How it looks in a browser:

row 1, cell 1	row 1, cell 2
row 2, cell 1	

Basic Notes - Useful Tips

The <thead>, and <tfoot> elements are seldom used, because of bad browser support. Expect this to change in future versions of XHTML. If you have Internet Explorer 5.0 or newer, you can view a working example in our XML tutorial.

Self Check

Table with no border

This example demonstrates a table with no borders.

Headings in a table

This example demonstrates how to display table headers.

Empty cells

This example demonstrates how to use " " to handle cells that have no content.

Table with a caption

This example demonstrates a table with a caption.

Table cells that span more than one row/column

This example demonstrates how to define table cells that span more than one row or one column.

Tags inside a table

This example demonstrates how to display elements inside other elements.

Cell padding

This example demonstrates how to use cellpadding to create more white space between the cell content and its borders.

Cell spacing

This example demonstrates how to use cellspacing to increase the distance between the cells.

Add a background color or a background image to a table

This example demonstrates how to add a background to a table.

Add a background color or a background image to a table cell

This example demonstrates how to add a background to one or more table cells.

Align the content in a table cell

This example demonstrates how to use the "align" attribute to align the content of cells, to create a "nice-looking" table.

The frame attribute

This example demonstrates how to use the "frame" attribute to control the borders around the table.

The frame and border attributes

How to use the "frame" and "border" attributes to control the borders around the table.

Table Tags

Tag	Description
	Defines a table
	Defines a table header
	Defines a table row
>	Defines a table cell
<caption></caption>	Defines a table caption
<colgroup></colgroup>	Defines groups of table columns
<col/>	Defines the attribute values for one or more columns in a table
<thead></thead>	Defines a table head
	Defines a table body
<tfoot></tfoot>	Defines a table footer

1.4.15.Unordered Lists

An unordered list is a list of items. The list items are marked with bullets (typically small black circles).

An unordered list starts with the tag. Each list item starts with the tag.

	
Coffee	
Milk	

Here is how it looks in a browser: Coffee Milk Inside a list item you can put paragraphs, line breaks, images, links, other lists, etc. **Ordered Lists** An ordered list is also a list of items. The list items are marked with numbers. An ordered list starts with the tag. Each list item starts with the tag. Coffee Milk Here is how it looks in a browser: 1. Coffee 2. Milk Inside a list item you can put paragraphs, line breaks, images, links, other lists, etc.

Definition Lists

A definition list is not a list of items. This is a list of terms and explanation of the terms.

A definition list starts with the <dl> tag. Each definition-list term starts with the <dt> tag. Each definition-list definition starts with the <dd> tag.

<dl>
<dl>
<dt>Coffee</dt>
<dd>Coffee</dd>
<dd>Black hot drink</dd>
<dt>Milk</dt>
<dd>Milk</dt>
<dd>White cold drink</dd>
</dl>

Here is how it looks in a browser:

Coffee

Black hot drink

Milk

White cold drink

Inside a definition-list definition (the <dd> tag) you can put paragraphs, line breaks, images, links, other lists, etc.

Self Check

Different types of ordered lists

This example demonstrates different types of ordered lists.

Different types of unordered Lists

This example demonstrates different types of unordered lists.

Nested list

This example demonstrates how you can nest lists.

Nested list 2

This example demonstrates a more complicated nested list.

Definition list

This example demonstrates a definition list.

List Tags

Description
Defines an ordered list
Defines an unordered list
Defines a list item
Defines a definition list
Defines a definition term
Defines a definition description
Deprecated. Use instead
Deprecated. Use instead

Scripting languages such as Perl[9], Python[4], Rexx[6], Tcl[8], Visual Basic, and the Unix shells represent a very different style of programming than system programming languages. Scripting languages assume that there already exists a collection of useful components written in other languages. Scripting languages aren't intended for writing applications from scratch; they are intended primarily for plugging together components. For example, Tcl and Visual Basic can be used to arrange collections of user interface controls on the screen, and Unix shell scripts are used to assemble filter programs into