

Introduction to HTML

```
<HTML>
<HEAD>
  <TITLE>USCS - University of South Carolina
  <LINK REL="stylesheet" href="css/USCS.css">
  <META NAME="DC.Title" CONTENT="USCS - University of South Carolina">
  <META NAME="DC.Creator" CONTENT="USCS - University of South Carolina">
  <META NAME="DC.Subject" CONTENT="USCS - University of South Carolina">
  <META NAME="DC.Description" CONTENT="USCS - University of South Carolina">
  <META NAME="DC.Identifier" CONTENT="USCS - University of South Carolina">
</HEAD>
<BODY BGCOLOR="#FFFFFF" BACKGROUND="img/USCS.jpg">
  <A NAME="top"></A>
  <DIV ALIGN="center">
    <TABLE>
      <TR>
        <TD colspan="5" align="center">
          
        </TD>
      </TR>
      <TR VALIGN="MIDDLE" BGCOLOR="#FFFFFF">
        <TD WIDTH="50%" ALIGN="center">
          <FONT FACE="Verdana, Arial, Helvetica, sans-serif" SIZE="12">
            U S C S - University of South Carolina
          </FONT><BR>
        </TD>
      </TR>
      <TR VALIGN="TOP" ALIGN="center">
        <TD WIDTH="20%" ALIGN="center">
          <img alt="USCS Logo" />
        </TD>
        <TD WIDTH="20%" ALIGN="center">
          <img alt="USCS Logo" />
        </TD>
        <TD WIDTH="20%" ALIGN="center">
          <img alt="USCS Logo" />
        </TD>
        <TD WIDTH="20%" ALIGN="center">
          <img alt="USCS Logo" />
        </TD>
        <TD WIDTH="20%" ALIGN="center">
          <img alt="USCS Logo" />
        </TD>
      </TR>
    </TABLE>
  </DIV>
</BODY>
</HTML>
```

Tools you'll be using

► **INTERNET EXPLORER:** to view HTML

► **Text Editor**

What is HTML?

<tag> Some text enclosed by two tags **</tag>**

A very basic HTML document

`<html>`

`<head>`

THE HEAD

`</head>`

`<body>`

THE BODY

`</body>`

`</html>`

What's the HEAD for?

<head>

<title> My First HTML Page </title>

</head>



My First HTML Page - Microsoft Internet Explorer



What's the BODY for?

`<body>`

WELCOME TO MY FIRST WEBPAGE

email: cersbard@yahoo.co.in

`</body>`



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WELCOME TO MY FIRST WEBPAGE email: cersbard@yahoo.co.in

So remember, your web page will contain:

<html>

<head>

<title> The Title </title>

</head>

<body>

...

all of the page content goes here

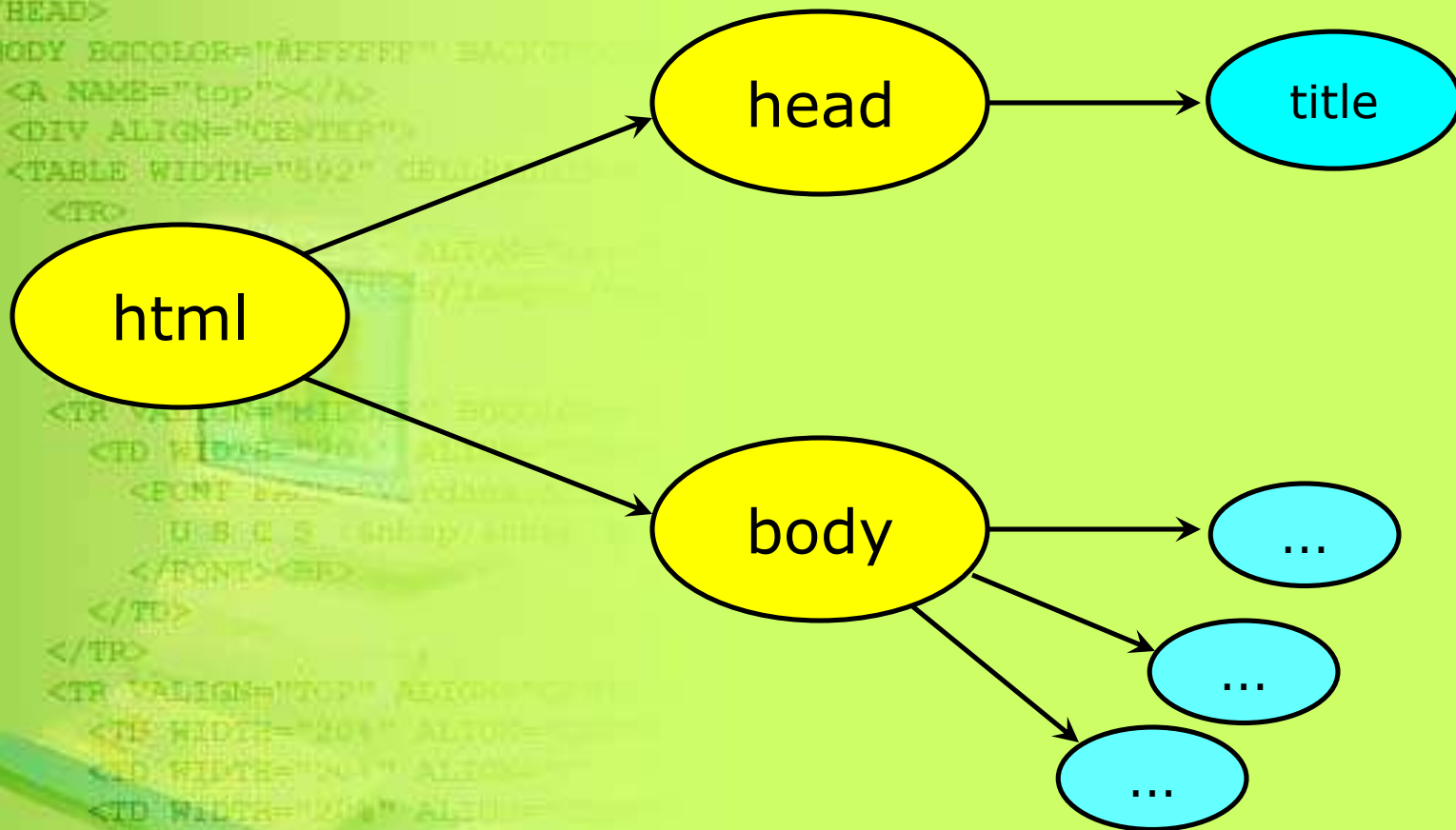
...

</body>

</html>

```
<HTML>
<HEAD>
  <TITLE>USCS - University of Science
  <LINK REL="schema/DC" HREF="..."
  <META NAME="DC:Title" HREF="..."
  <ME
  <ME
  <META NAME="DC:Description" HREF="..."
  <META NAME="DC:Identifier" HREF="..."
</HEAD>
<BODY BGCOLOR="#FFFFFF" BACKGROUND="..."
  <A NAME="top"></A>
  <DIV ALIGN="CENTER">
    <TABLE WIDTH="592" CELLS="2" BGCOLOR="white"
      <TR>
        <TD colspan="2" style="text-align: center; vertical-align: top; padding: 10px;">
          <div style="text-align: center; padding: 10px;">
            <img alt="USCS Logo" data-bbox="100 400 250 550" style="max-width: 100px; height: auto;"/>
            USCS - University of Science
          </div>
        </TD>
      </TR>
    </TABLE>
  </BODY>
</HTML>
```

Think of it as an HTML tree...



Formatting the Text

```
<HTML>
<HEAD>
  <TITLE>USCS - University of South Carolina
  <LINK REL="stylesheet" href="css/1a.css" type="text/css">
  <META NAME="description" content="USCS - University of South Carolina" />
  <META NAME="keywords" content="USCS, University of South Carolina" />
  <META NAME="author" content="USCS" />
  <META NAME="copyright" content="USCS" />
  <META NAME="robots" content="all" />
</HEAD>
<BODY>
  <A href="http://www.uscs.edu" style="color: red; text-decoration: underline; font-weight: bold; font-size: 1.2em; float: right; margin-top: 10px;">http://www.uscs.edu
          
        </TD>
      </TR>
      <TR valign="middle" style="background-color: #f0f0f0;">
        <TD width="50%" align="center">
          <font face="serif" style="font-size: 1.2em; font-weight: bold; color: #000080;>
            U S C S <br>
            University of South Carolina
          </font><br>
        </TD>
      </TR>
      <TR>
        <TD width="20%" align="center">
          <font face="serif" style="font-size: 1.2em; font-weight: bold; color: #000080;>
            USCS
          </font>
        </TD>
        <TD width="20%" align="center">
          <font face="serif" style="font-size: 1.2em; font-weight: bold; color: #000080;>
            USCS
          </font>
        </TD>
        <TD width="20%" align="center">
          <font face="serif" style="font-size: 1.2em; font-weight: bold; color: #000080;>
            USCS
          </font>
        </TD>
        <TD width="20%" align="center">
          <font face="serif" style="font-size: 1.2em; font-weight: bold; color: #000080;>
            USCS
          </font>
        </TD>
      </TR>
    </TABLE>
  </DIV>
</BODY>
</HTML>
```

Paragraphs and Line Breaks

This text has no formatting
so any typed line-breaks you put in
are totally ignored by the browser

`<p>` However this is a paragraph `</p>`

`<p>` Whilst this is a paragraph `<br>`
with a line-break in it `</p>`



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This text has no formatting so any typed line-breaks you put in are totally ignored by the browser

However, this is a paragraph

Whilst this is a paragraph
with a line break in it

Headings

<h1> This is a large heading </h1>

<h2> And this a slightly smaller one </h2>

<h3> This a smaller one still </h3>

This is a large heading

And this a slightly smaller one

This a smaller one still

Simple Text Formatting

**Strong text **

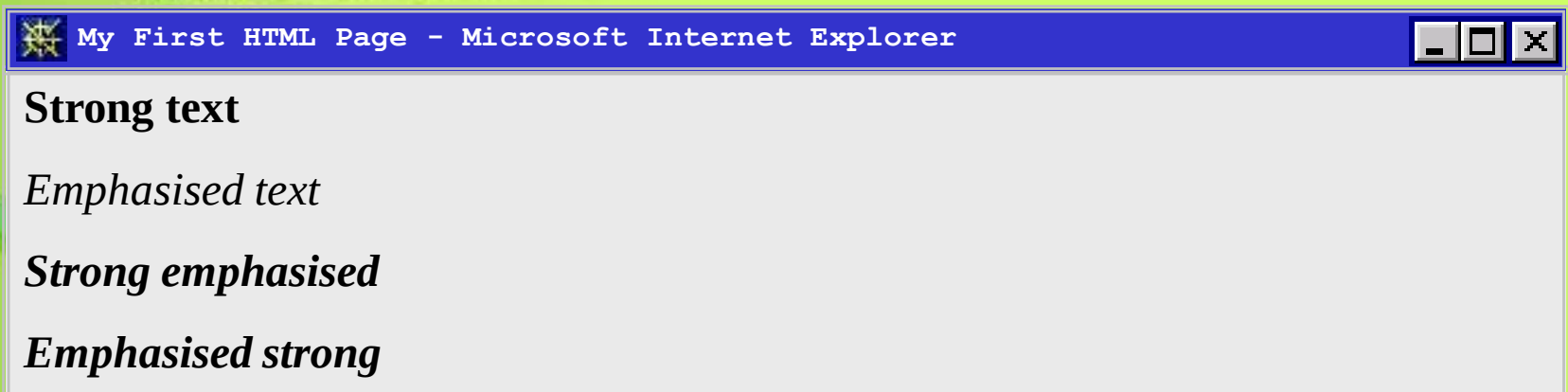
* Emphasised text *

***Strong emphasised ***

***Emphasised strong ***

** Don't do this! **

*** Don't do this! ***



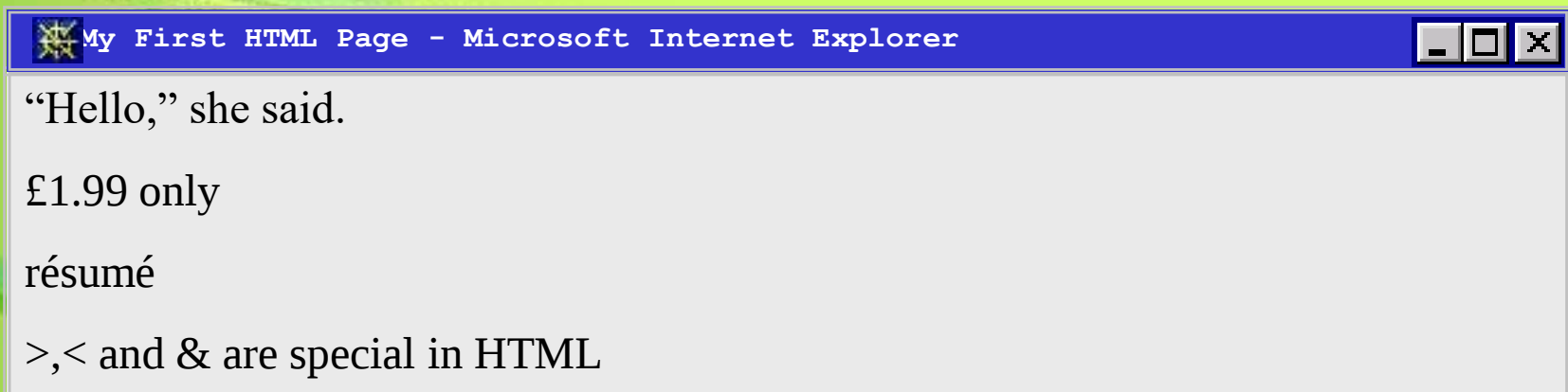
Special Characters (" & < > £ etc)

`<p> " Hello, " she said. </p>`

`<p> £ 1.99 only </p>`

`<p> r ésumé </p>`

`<p> >, < and & are special in HTML </p>`



There are three types of lists in HTML:

✿ **Ordered Lists **

✿ **Unordered Lists **

✿ **Definition Lists <dl>**

Ordered Lists (numbering)

```
<ol>
```

```
<li> Cassette </li>
```

```
<li> CD </li>
```

```
<li> Vinyl </li>
```

```
<li> Minidisc </li>
```

```
</ol>
```

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1. Cassette
2. CD
3. Vinyl
4. Minidisc

HTML-CODE

```
<ol>  
<li>text</li>  
<li>text</li>  
<li>text</li>  
</ol>
```

```
<ol start="5">
```

EXPLANATION / EXAMPLE

1.Makes a numbered list using the default number type:

- 1.text
- 2.Text
- 3.text

Starts a numbered list, first # being 5.

5. This is one line
6. This is another line
7. And this is the final line

Unordered Lists (bullet points)

```
<ul>
```

```
<li> Cat </li>
```

```
<li> Dog </li>
```

```
<li> Goldfish </li>
```

```
<li> Rhinoceros </li>
```

```
</ul>
```

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- Cat
- Dog
- Goldfish
- Rhinoceros

Starts a numbered list, using capital letters.

```
A. This is one line
A.This is another line
B.And this is the final line
```

Starts a numbered list, using small letters.

- a. This is one line
- b. This is another line
- c. And this is the final line

Starts a numbered list, using capital roman numbers.

I. This is one line
II. This is another line
III. And this is the final line

Starts a numbered list, using small roman numbers.

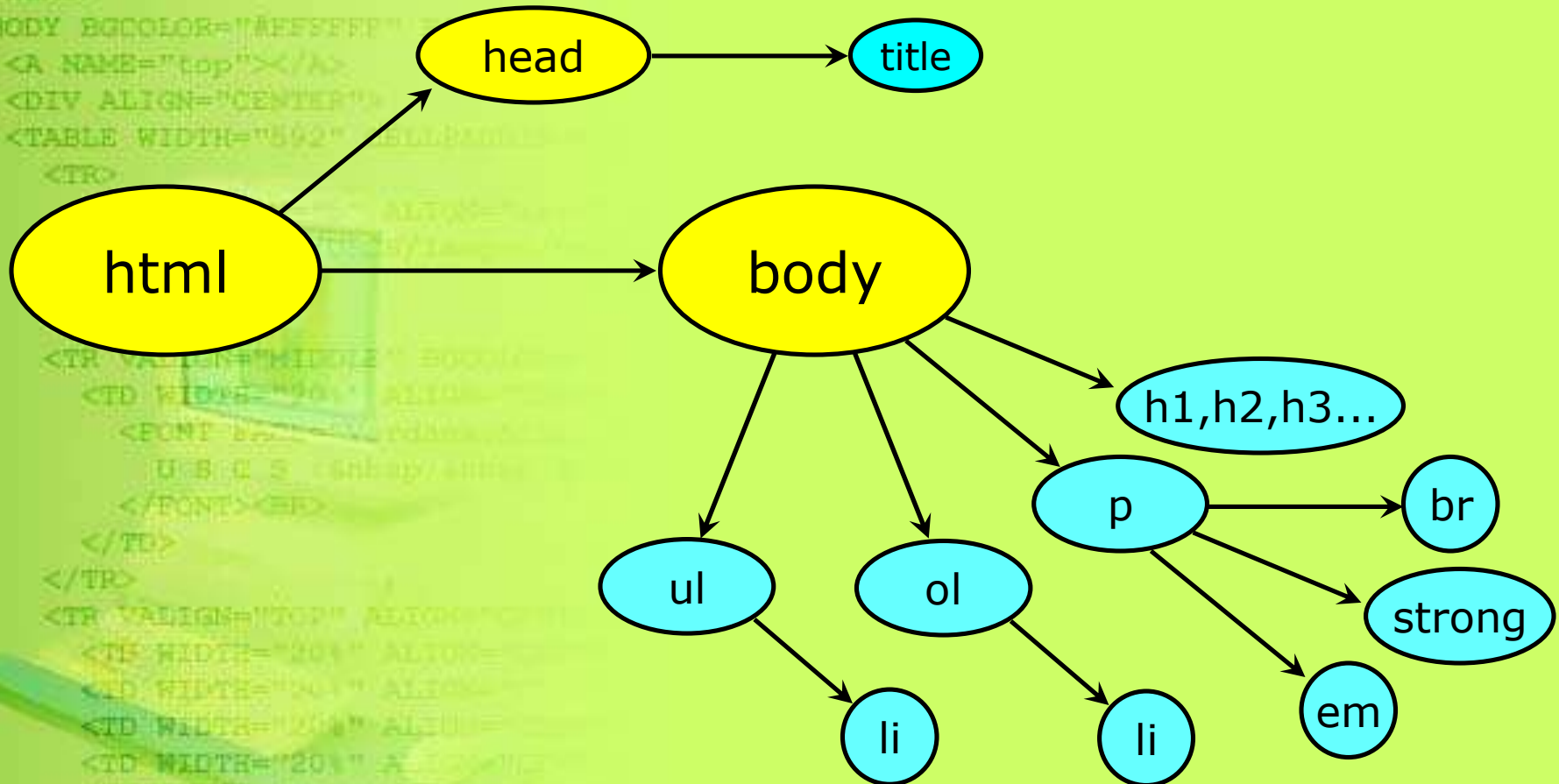
```
Vii. This is one line
viii. This is another line
ix. And this is the final line
```

Definition Lists

Here is how a definition list looks:

```
<dl>  
<dt>This is a definition term</dt>  
<dd>And this is the definition </dd>  
  
<dt>term 2</dt>  
<dd>definition 2</dd>  
  
<dt>term 3</dt>  
<dd>definition 3</dd>  
</dl>
```

Back to the HTML tree...



Adding Images

```
<HTML>
<HEAD>
  <TITLE>USCS - University of South Carolina
  <LINK REL="stylesheet" href="css/1a.css" type="text/css">
  <META NAME="description" content="USCS Home Page" />
  <META NAME="keywords" content="USCS, University of South Carolina" />
</HEAD>
<BODY>
  <A href="http://www.uscs.edu" style="color: red; text-decoration: none; font-weight: bold; font-size: 1.2em; text-align: center;">
    <DIV ALIGN="center">
      <TABLE WIDTH="502" CELLPAGES="1">
        <TR>
          <TD COLSPAN="1" ALIGN="center">
            <IMG SRC="http://www.uscs.edu/images/logo.gif" />
          </TD>
        </TR>
        <TR VALIGN="middle" BGCOLOR="#f0f0f0">
          <TD WIDTH="502" ALIGN="center">
            <FONT FACE="serif" SIZE="1.2em">
              U S C S - University of South Carolina
            </FONT><BR>
          </TD>
        </TR>
        <TR VALIGN="top" ALIGN="center">
          <TD WIDTH="201" ALIGN="center">
            <TD WIDTH="201" ALIGN="center">
            <TD WIDTH="201" ALIGN="center">
            <TD WIDTH="201" ALIGN="center">
            <TD WIDTH="201" ALIGN="center">
          </TR>
        </TABLE>
      </A>
    </DIV>
  </BODY>
</HTML>
```

Attribute and Value

<tag attribute="value">

The Image Tag

```

```

```

```



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Aligning the Image Tag (LEFT)

```

```

```
<p> Some meaningless text, just inserted  
to illustrate how the image alignment  
works. That's all it is.</p>
```



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Some meaningless text, just inserted
to illustrate how the image alignment
works. That's all it is.

Aligning the Image Tag (RIGHT)

```

```

```
<p> Some meaningless text, just inserted  
to illustrate how the image alignment  
works. That's all it is.</p>
```



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Some meaningless text, just inserted
to illustrate how the image alignment
works. That's all it is.



Stopping Text Wrapping

```

```

```
<p>Some meaningless text, just inserted to  
illustrate how image alignment works.
```

```
<br clear="left">That's all it is.</p>
```



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Some meaningless text, just inserted
to illustrate how the image alignment
works.

That's all it is.

Using an Image as a Background

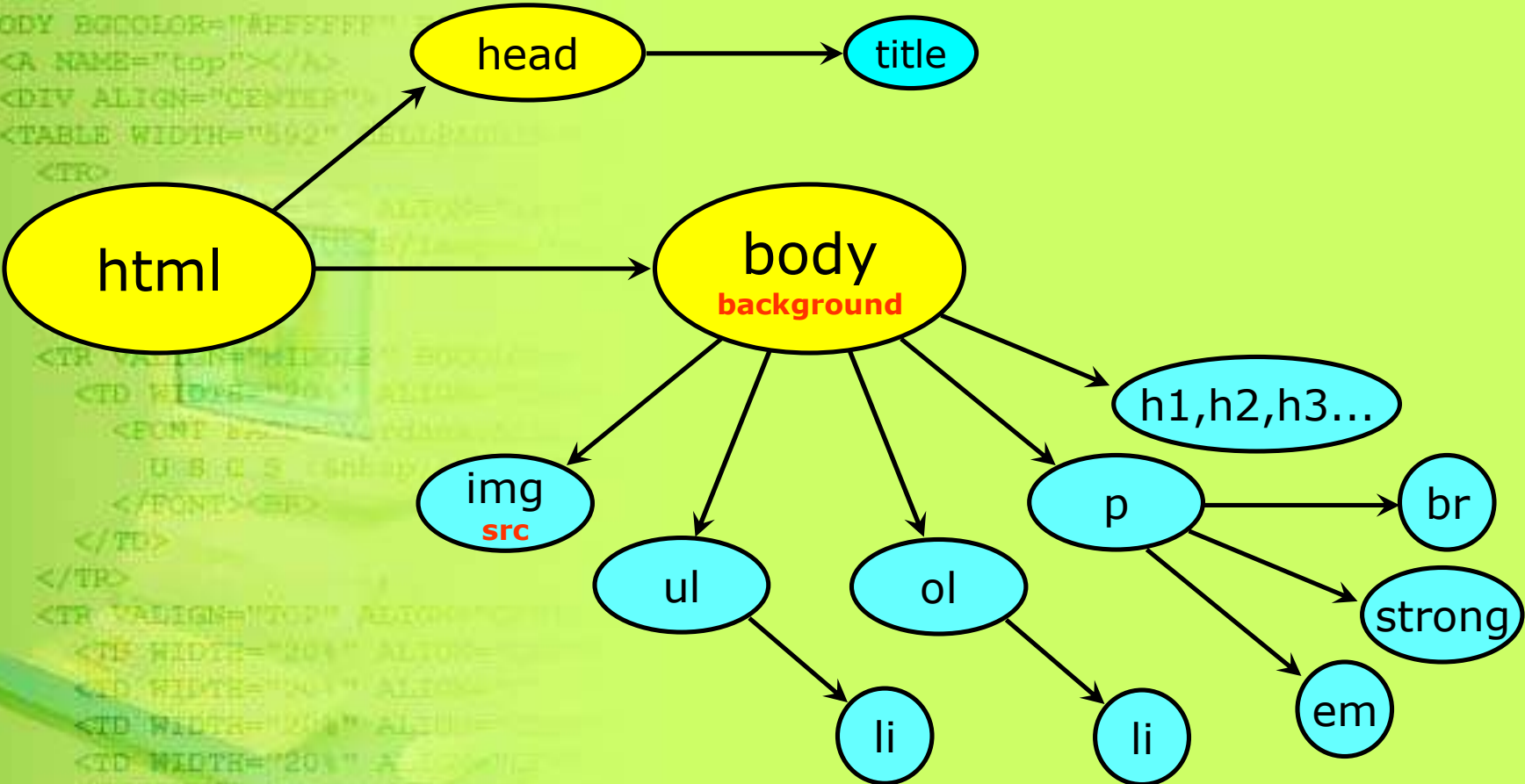
```
<body background="texture1.jpg">
```

```
<h1> My First HTML Page </h1>
```



```
<HTML>
<HEAD>
  <TITLE>USCS - University of South Carolina</TITLE>
  <LINK REL="schema/DC" HREF="http://www.uscs.edu/schemas/DC-schema.xsd">
  <META NAME="DC:Identifier" CONTENT="http://www.uscs.edu/USCS-1.0">
</HEAD>
<BODY BGCOLOR="#FFFFFF">
  <A NAME="top"></A>
  <DIV ALIGN="CENTER">
    <TABLE WIDTH="500" CELLPAGES="1" CELLS="1">
      <TR>
        <TD VALIGN="MIDDLE" BGCOLOR="#FFFFFF" WIDTH="500" ALIGN="center">
          <FONT FACE="serif" SIZE="12">
            U S C S <BR>
          </FONT><BR>
        </TD>
      </TR>
      <TR VALIGN="TOP" ALIGN="center">
        <TD WIDTH="200" ALIGN="center">
        <TD WIDTH="200" ALIGN="center">
        <TD WIDTH="200" ALIGN="center">
        <TD WIDTH="200" ALIGN="center">
        </TD>
      </TR>
    </TABLE>
  </DIV>
</BODY>
</HTML>
```

Back to the HTML tree...



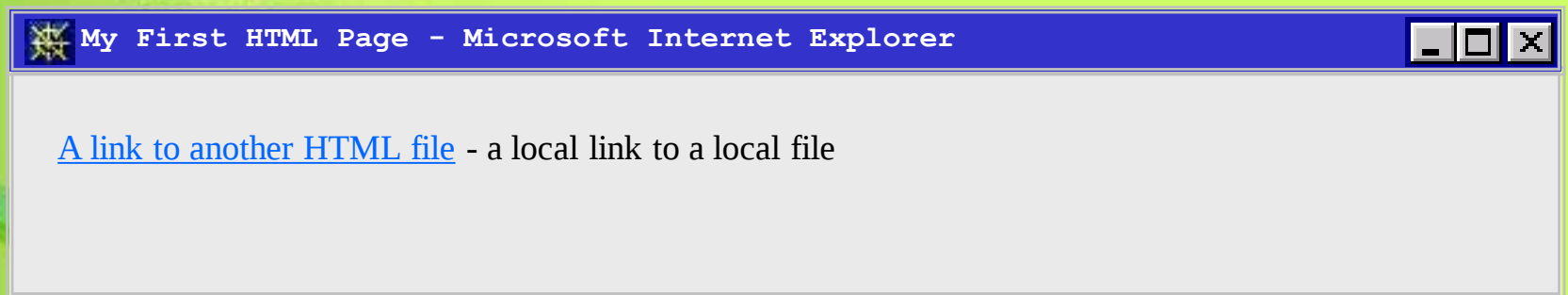
Adding Links

The Anchor Tag as a Link

```
<a href="file2.html">A link to another  
HTML File </a>
```

 - a local link to a local file

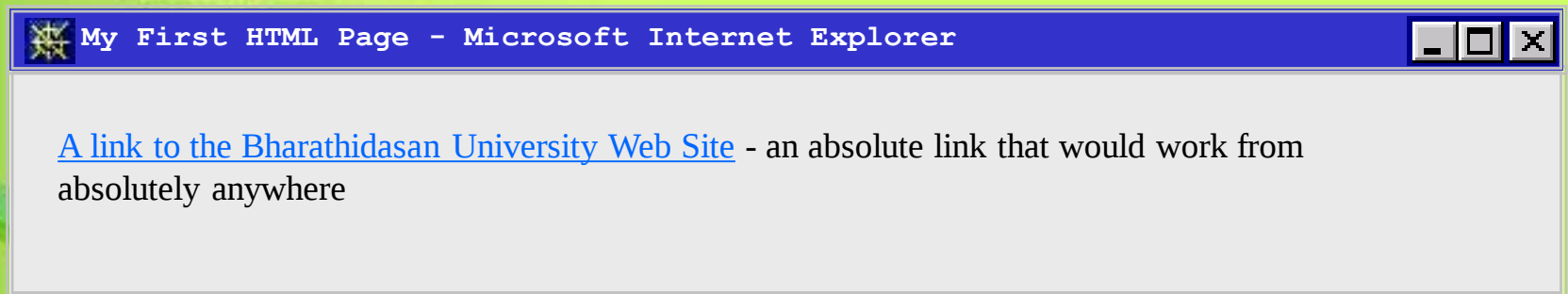
href = **h**yperlink **r**epreference



The Anchor Tag as a Link

```
<a href="http://www.bdu.ac.in" > A link  
to the Bharathidasan University web site  
</a>
```

- an absolute link that would work from
absolutely anywhere

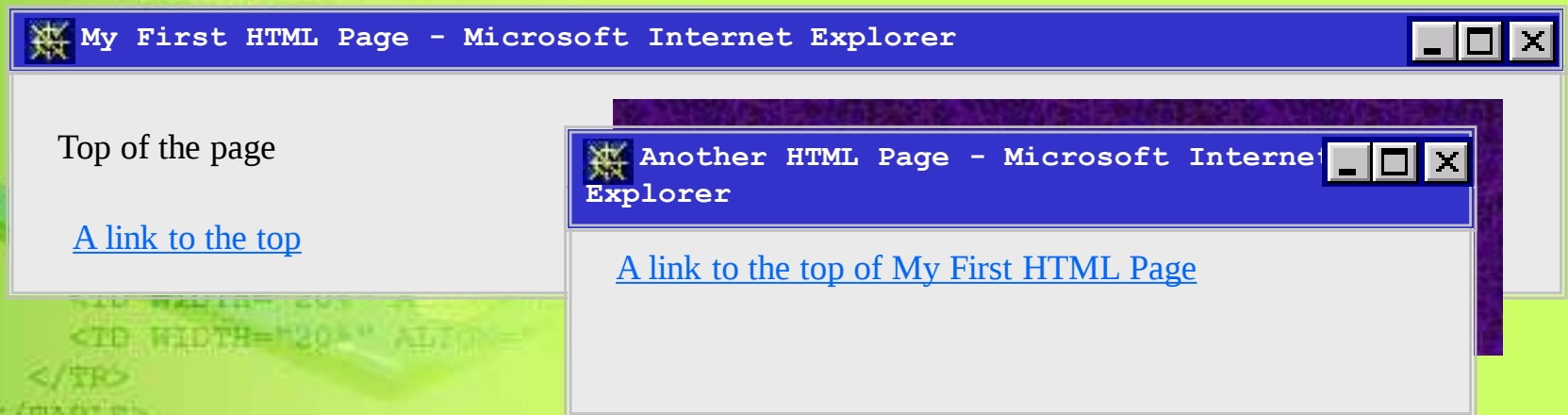


The Anchor Tag as an Anchor

`<a name="top"></a>`Top of the page

`<a href="#top">` A link to the top `</a>`

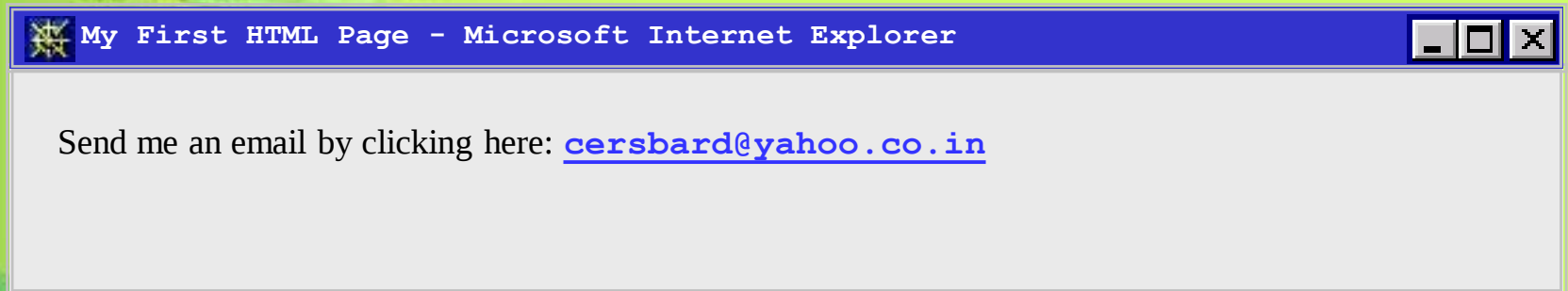
`<a href="mydoc.html#top">` A link to
the top of My First HTML Page `</a>`



The Anchor Tag as an Email Link

Send me an email by clicking here:

```
<a href="mailto:cersbard@yahoo.co.in">cersbard@yahoo.co.in </a>
```



A final look at the HTML tree...

