

## Introduction to HTML

HTML (HyperText Markup Language) is the most basic way of creating a webpage. They are plain-text (ASCII) documents that are read and displayed by web browsers. There are also many other languages to create webpages such as JavaScript, DHTML, XML, ASP, JSP, etc. Writing HTML is almost like writing a paper, all you need is to type the content and format it so it looks pretty. Making it look pretty can be very tricky. With the plethora of web browsers (IE, Firefox, Mozilla, Netscape, Opera, Safari, etc) and their quirks, it is hard to create a webpage that supports all of them. Thus, there are many WYSIWYG (what you see is what you get) programs to help you build webpages (MSWord, Dreamweaver, Adobe GoLive, etc). These programs can assist you, but sometimes, they can hinder you in your ideas. It is important to understand HTML before using a visual HTML editor so that you are able to go back into the code to change things.

## HTML Basics

HTML makes use of tags. This means that everything that you want to “code” is going to be inside a tag that looks like:

```
<html >I nsi de Tag</html >
```

Every tag consists of a begin tag (<tag>) and then an end tag (</tag>). All tags have this exact same format. Inside each tag, the browser will know what to do with what you’ve inserted. So basically, all you need is a good understanding of what your tags do to your

Example code:

```
<html >  
<head>  
<ti tle>HTML i s easy to l earn</ti tle>  
</head>  
  
<!--this i s a comment-->  
  
<body>  
  
<h1>Thi s i s a header</h1>  
<p>Thi s i s a paragraph</p>  
  
</body>  
</html >
```

The basic structure of a webpage consists of the outer <html > tags, the <head> tag and the <body> tag.

## Important HTML structures

Some HTML structures that will probably be repeatedly used

### Title

```
<title>This will be displayed in the caption bar</title>
```

### Paragraph

```
<p>paragraph text</p>
```

### Font Styles

```
<b>bold</b>
```

```
<strong>another bold</strong>
```

```
<i>italics</i>
```

```
<u>underline</u>
```

```
<del>strikethrough</del>
```

```
<tt>typewriter text</tt>
```

```
<pre>preformatted text (looks like typewriter text)</pre>
```

### Headers

```
<h?>text</h?>
```

header with ?=1-6, 1 being largest, 6 being smallest

### Forced Line Break

```
<br />
```

### Links

```
<a href="url.htm">Text Displayed</a>
```

### Images

```

```

### Lists

#### Unordered list

```
<ul >
```

```
  <li>List item 1</li>
```

```
  <li>List item 2</li>
```

```
</ul >
```

#### Ordered list

```
<ol >
```

```
  <li>List item 1</li>
```

```
  <li>List item 2</li>
```

```
</ol >
```

#### Definition List

```
<dd>
```

```
  <dt>Definition Term</dt>
```

```
  <dd>Definition Data</dd>
```

```
</dd>
```

## Tables

```
<table>
  <!--First Row-->
  <tr>
    <td>Table Data</td>
    <td>Table Data</td>
  </tr>
  <!--Second Row-->
  <tr>
    <td>Table Data</td>
    <td>Table Data</td>
  </tr>
</table>
```

## Horizontal Rule

```
<hr />
```

## Quotations

```
<blockquote>quote</blockquote>
```

## Commenting

```
<!--In here is comments, in the code, but not on the website-->
```