

Writing Your Own Web Page

HTML = Hyper Text Markup Language

- HTML document describes the layout of a document as viewed in web browser
- HTML is not a programming language
- Tags are denoted by enclosing in < >
- Not case sensitive
- Upper case tags improve readability

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HTML: Document Tags

- <HTML> Beginning of code
- <HEAD> Beginning of heading area
- <TITLE>My Page</TITLE> Document title
- <META> Optional description information
- </HEAD> End of heading area
- <BODY> Document contents
- </BODY></HTML> Closing Tags

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HTML: Document Example

```
<HTML>
<HEAD>
<TITLE> My first Page </TITLE>
</HEAD>
<BODY>
Testing...
</BODY>
</HTML>
```



e - 4

HTML: Section Tags

- **
** Break to new line
- **<CENTER> </CENTER>** Center
- **<P> </P>** Paragraph
(new line with extra vertical space)

Attributes:

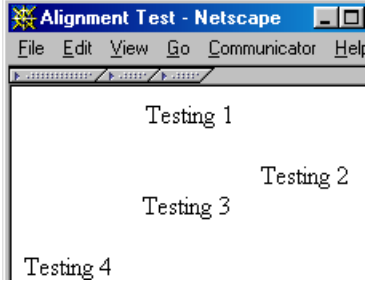
- **<P ALIGN=RIGHT> </P>**
- **<P ALIGN=LEFT> </P>**
- **<P ALIGN=CENTER> </P>**

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HTML: Section Example

```

<HTML>
<HEAD>
<TITLE>Alignment Test</TITLE>
</HEAD>
<BODY>
<P ALIGN="CENTER">
Testing 1</P>
<P ALIGN="RIGHT">
Testing 2
<CENTER>
Testing 3
</CENTER></P>
<P ALIGN="LEFT">
Testing 4</P>
</BODY>
</HTML>
    
```



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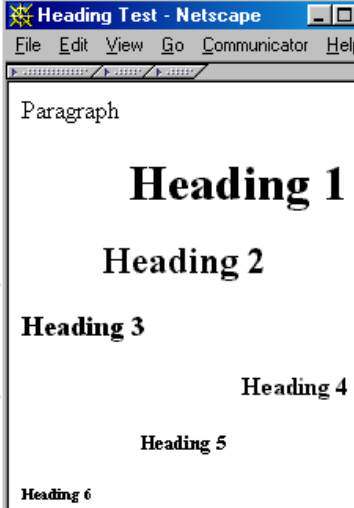
HTML: Heading Tags

- Creates Bold Text with vertical space
- **<H1> </H1>** Largest Heading
 - Attributes ALIGN=LEFT CENTER RIGHT
- **<H2> </H2>** Larger Heading
- **<H3> </H3>** Large Heading
- **<H4> </H4>** Small Heading
- **<H5> </H5>** Smaller Heading
- **<H6> </H6>** Smallest Heading

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```

<HTML>
<HEAD>
<TITLE>Heading Test</TITLE>
</HEAD>
<BODY>
<P ALIGN=LEFT>Paragraph</P>
<H1 ALIGN=RIGHT>Heading 1</H1>
<H2 ALIGN=CENTER>Heading 2</H2>
<H3 ALIGN=LEFT>Heading 3</H3>
<H4 ALIGN=RIGHT>Heading 4</H4>
<H5 ALIGN=CENTER>Heading 5</H5>
<H6 ALIGN=LEFT>Heading 6</H6>
</BODY>
</HTML>
    
```



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HTML: Text Format Tags

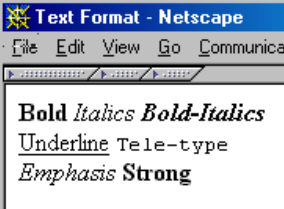
- ` ` Bold text
- `<I> </I>` Italics text
- `<U> </U>` Underline text
- `` Subscript text
- `` Superscript text
- `<STRIKE> </STRIKE>` Strike through text
- `<TT> </TT>` teletype text - Monospaced
- ` ` Strong, usually bold
- ` ` Emphasize, usually italics text

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HTML: Text Format Example

```

<HTML>
<HEAD>
<TITLE>Text Format</TITLE>
</HEAD>
<BODY>
<B>Bold</B>
<I>Italics</I>
<B><I>Bold-
Italics</I></B><BR>
<U>Underline</U>
<TT>Tele-type</TT><BR>
<EM>Emphasis</EM>
<STRONG>Strong</STRONG>
</BODY>
</HTML>
    
```



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RGB Color Specification

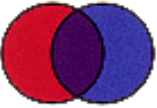
- The colors Red, Green, and Blue are combined to produce specific colors
- Denoted as a 24-bit code
- Usually specified as 6 digit hexadecimal
- Sometimes specified as three decimal values 0 to 255 separated by commas
- 16 million colors are available

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Common RGB Color Values

Common color values used for the web are:

White	= #FFFFFF	= 255,255,255
Black	= #000000	= 0,0,0
Red	= #FF0000	= 255,0,0
Blue	= #0000FF	= 0,0,255
Green	= #00FF00	= 0,255,0
Aqua	= #00FFFF	= 0,255,255
Yellow	= #FFFF00	= 255,255,0
Violet	= #FF00FF	= 255,0,255



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HTML: Body Tag with Colors

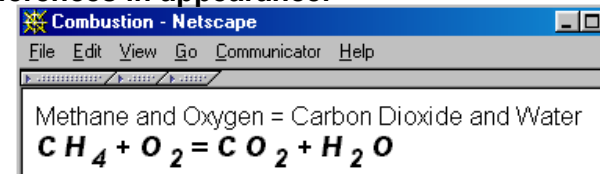
- BODY tag attributes specify the background and text colors of a page

```
<BODY BGCOLOR="#000066" TEXT="#FFFFFF">
White Text, Navy Background
</BODY>
```

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HTML: Assignment #1

- Using any text editor, write HTML code to display the following.
- Save your file to diskette.
- Test your HTML file by opening it in two different browsers. Note any differences in appearance.



HTML: Image Tag

-
 - "URL" can be local file "bob.gif"
 - "URL" can be remote file "http://www.bob.com/bob.gif"
- Attributes:
 - ALIGN=RIGHT LEFT TOP MIDDLE BOTTOM
 - BORDER=0 to 127 pixels Border around image
 - ALT="Bob's Mug" Alternate text label
 - WIDTH=200 HEIGHT=150
 - VSPACE=8 HSPACE=12 Places space around image
 - LOWSRC="filename.gif" Initial image load. Not supported by Microsoft IE

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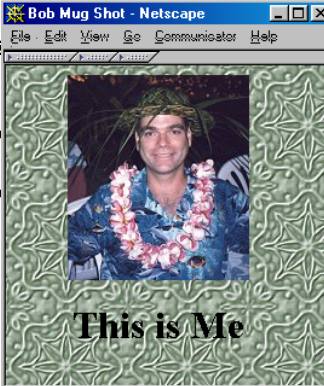
HTML: Background Image Tag

- <BODY BACKGROUND="WallPaper.gif">
 - Chosen image will tile as background
 - Do Not Specify LENGTH WIDTH Attributes
 - Use images that will tile properly as a tessellation
 - Select background image for high contrast

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HTML: Image Tag Example

```
<HEAD>
<TITLE>Bob Mug Shot</TITLE>
</HEAD>
<BODY
BACKGROUND="Tesselate.jpg"
<CENTER>
<IMG SRC="Bob.jpg" WIDTH="
HEIGHT="170"><BR>
<H1>This is Me</H1>
</CENTER>
</BODY>
</HTML>
```



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HTML: Anchor Tag

- Anchor tags are used to create hyperlinks
- Link From Document Text (same folder)



```
<A HREF="resume.html">My Resume</A>
```
- Link From Document Image (different folder – use relative path)


```
<A HREF="../Resume/resume.html">
<IMG SRC="Resume.gif" ALT="Resume"
BORDER="4"></A>
```
- Link to URL


```
<A HREF="http://www.textpad.com/">TextPad</A>
```

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```
<HEAD>
<TITLE>My Resume</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFFFF" LINK="#660000">
<CENTER>
<A HREF="Resume.html">
<H2>My Resume</H2></A>
<BR>&nbsp;<BR>
<A HREF="Resume.html">
<IMG SRC="btResume.gif"
WIDTH="60" HEIGHT="30"
ALT="Resume"
BORDER="0"></A>
</CENTER>
</BODY>
</HTML>
```



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HTML: Email Anchor Tag

- It is easy to include a link for email.


```
Email: <A HREF="mailto:boblaurie@yahoo.com">
boblaurie@yahoo.com </A>
```
- Can also be used for an image:


```
<A HREF="mailto:boblaurie@yahoo.com">
<IMG SRC="mail.gif" ALT="Email Me"
BORDER="0"></A>
```

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