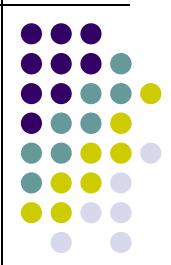
Introduction to Web & HTML



Topics

- Web Terminology
- HTML
 - What is HTML
 - Parts of an HTML Document
 - HTML Tags
 - Required
 - Common

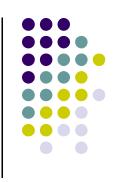




- Most people use the two terms interchangeably but they are in fact different.
- The Internet is a vast, international network, made up of computers and the physical connections (wires, routers, etc.) allowing them to communicate.
- The World Wide Web (WWW or just the Web) is a collection of software that spans the Internet and enables the interlinking of documents and resources.
 - Provides a way of accessing information on the Internet.
- For more information about the history of the Internet and WWW:

http://en.wikipedia.org/wiki/Internet





- A Web server is a computer that is programmed to send files to browsers on other computers connected to the Internet.
- The Web browser, such as Firefox or Internet Explorer, is the client that sends a request for a Web page.
- The Web server answers the request and delivers the requested page to the browser so you can view it.

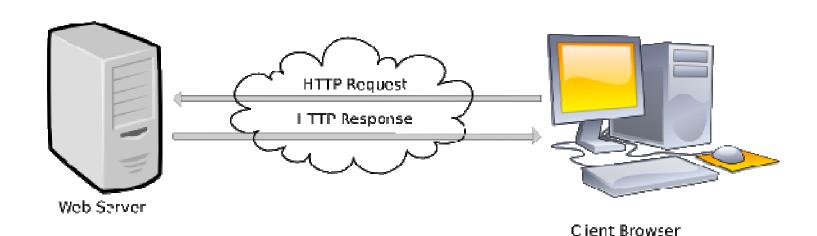




- Stands for HyperText Transfer Protocol
- Allows computers on the WWW to communicate with one another.
- Handles the "request" sent to the Web server and the "response" received from the Web server.



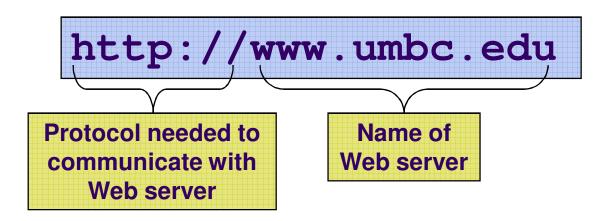








- Stands for Uniform Resource Locator
- Also called the Web page's address
- You typically type it into your Web browser's location bar when you want to view a Web page

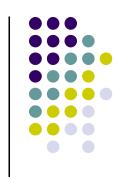


HTML

- Stands for HyperText Markup Language
- Used to create a Web page
- Made up of tags that specify the structure of the document (this section is a heading, this section is a paragraph, etc..)
- An excerpt from a sample HTML document:

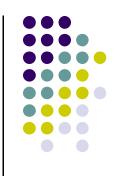
```
<html>
<head>
<title>Bob's Web page</title>
</head>
<body>
<h1>This is my first Web page</h1>
```





- Most HTML tags work in pairs. There is an opening and a closing tag. For example:
 - Some content here.
- The ... tag displays a paragraph
- opens the paragraph (opening tag)
- closes the paragraph (closing tag)
- "Some content here." will be displayed on the page



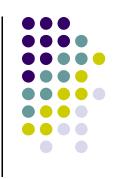


Some HTML tags are self closing. For example:

The

 /> tag will display a line break.





- All HTML documents should have html, head and body tags, along with the DOCTYPE identifier.
 - !DOCTYPE Tells the browser which set of standards the page adheres to
 - <html>...</html> -- Surrounds the contents of the entire page
 - <head>...</head> -- Lists the identification information on the page, such as the title
 - <title>...</title> -- Gives the name of the page that appears in the top of the browser window
 - <body>...</body> -- Frames the content of the page to be displayed in the browser





Example file: template.html

Basic HTML Template Screenshot



🕲 CMSC104 HTML Template - Mozilla Firefox 🔲 🔲 🔀								
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	Hi <u>s</u> tory	<u>B</u> ookmarks	<u>T</u> ools	<u>H</u> elp	\Diamond	
This	is just	a basic	HTML to	emplate to be	used in	CMSC104		
Don	е						O .::	

Some Common HTML Tags and Their Meanings



- ... -- Creates a paragraph
-
 -- Adds a line break
- <hr /> -- Separates sections with a horizontal rule
- <h1>...</h1> -- Displays a heading (h1-h6)
- <!--...-> -- Inserts a comment
- >... -- Creates an ordered list
- Creates an unordered list
- -- Inserts an image into the document
- <a>... -- Inserts a link into the document



Paragraph Example

```
>
 The exam next week will consist of T/F,
 multiple choice, short answer and pseudocode
 questions. You cannot use a calculator.
>
 After the exam, we will learn JavaScript.
 It should be fun!!
```

Paragraph Example Screenshot



9 c	MSC1	04 HT	ML Tem	iplate - Moz	illa Fii	refox	
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	Hi <u>s</u> tory	<u>B</u> ookmarks	<u>T</u> ools	<u>H</u> elp	0
l				nsist of T/F, n cannot use a	-		rt answer and
Afte	r the e	xam, w	e will lean	n JavaScript. I	t should	be fun!!	
Don	e						⊘ ,;;





```
Roses are Red. <br />
Violets are Blue. <br />
You should study for Exam 1. <br />
It will be good for you!
```

Line Break Example Screenshot



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<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	Hi <u>s</u> tory	<u>B</u> ookmarks	<u>T</u> ools	<u>H</u> elp	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Viol You		Blue.	for Exam you!	1.						
Don	е						0 ,			



Horizontal Rule Example

```
>
 The exam next week will consist of T/F,
 multiple choice, short answer and
 pseudocode questions. You cannot use a
 calculator.
<hr />
>
 After the exam, we will learn JavaScript.
 It should be fun!!
```

Horizontal Rule Example Screenshot



③ c	MSC1	04 HT	ML Tem	ıplate - Moz	illa Fir	efox	
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	Hi <u>s</u> tory	<u>B</u> ookmarks	<u>T</u> ools	<u>H</u> elp	0
pset	ıdocod	le quest	ions. You	nsist of T/F, n cannot use a n JavaScript. I	calculate	or.	t answer and
Don	е						O ,

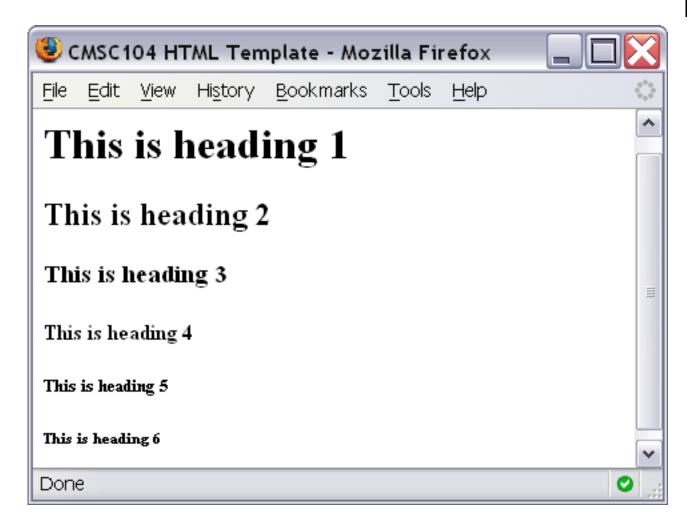




```
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
```



Heading Example Screenshot





Comment Example

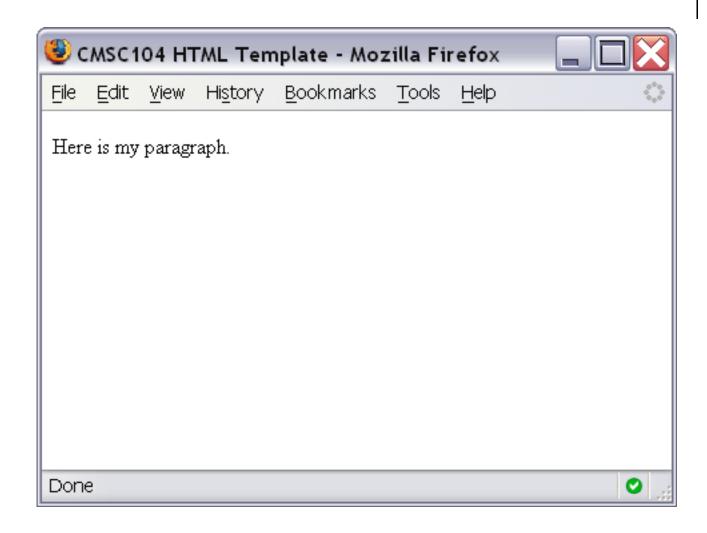
```
<!-- This is just some sample html
to illustrate the use of a
comment -->

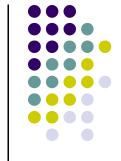
    Here is my paragraph.

<!-- Here is another comment -->
```



Heading Example Screenshot



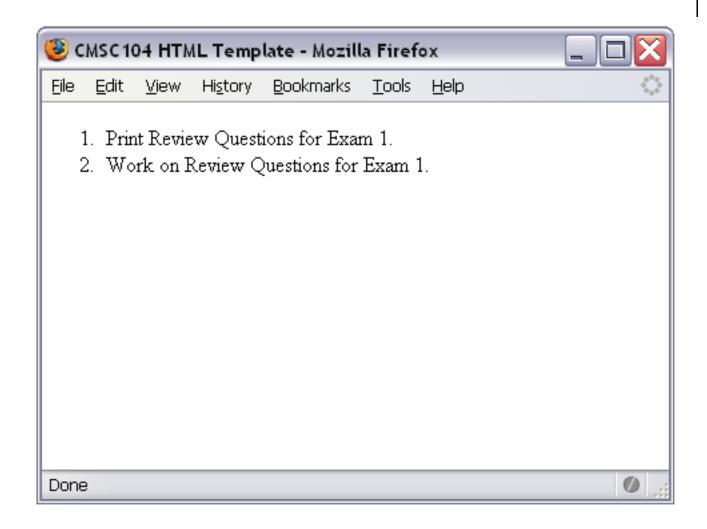


Ordered List Example

```
    Print Review Questions for Exam 1.
    Work on Review Questions for Exam 1.
```



Ordered List Screenshot



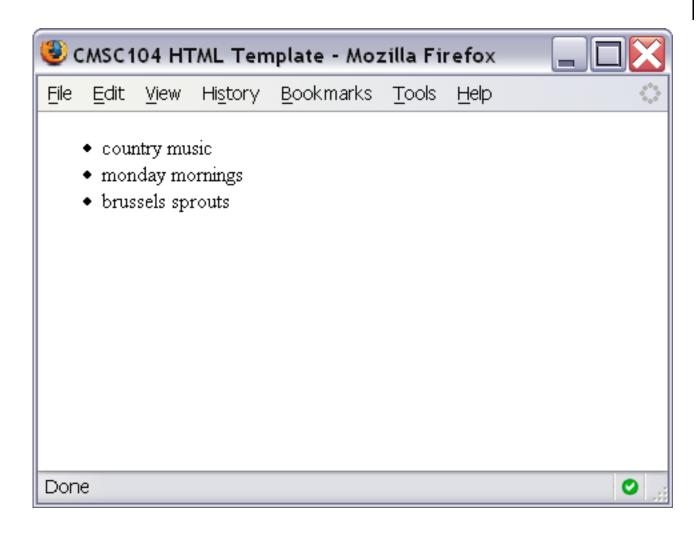




```
country music
monday mornings
brussels sprouts
```



Unordered List Screenshot







CMSC104 Main page



Link Screenshot

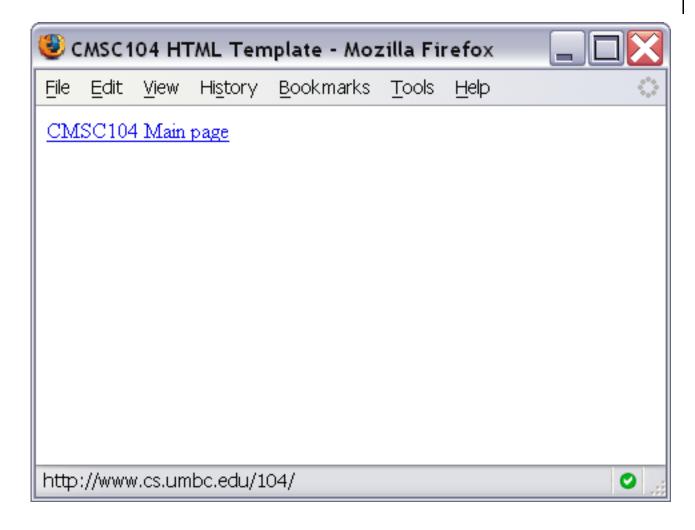
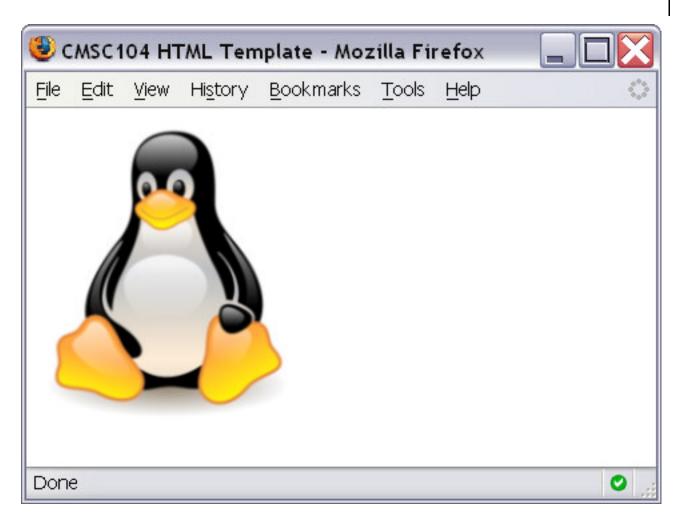


Image Example

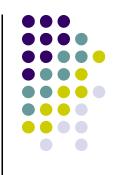




Image Screenshot







 To see an example page that uses all of the tags we discussed today, visit

http://userpages.umbc.edu/~dblock/lecture6.html