

How to make a simple web page using HTML

My Trip To The Arctic - Mozilla Firefox

File Edit View History Bookmarks Tools Help

file:///C:/Users/Scott/Desktop/cisc101Page/arctic.html

Google

My Trip to the Arctic



04/10/2007

About Me

- ♦ Name is Scott Grauer-Gray
- ♦ Originally from Massachusetts (Go Sox!)
- ♦ Graduated from UMASS in 2006
- ♦ Currently a grad student at the University of Delaware

Arctic related research

Done

HTMLBasics - Open... cisc101Page My Trip To The Arct...

9:43 PM

HTML

For this class, you will have to create a web page using HTML

Joke: (from http://www.w3schools.com/html/html_layout.asp):

Student: How do you spell HTML?

HTML stands for **Hyper Text Markup Language**

Used to create web pages

Made up of **Tags** - commands enclosed in < and >, example <HTML>

Opening tag: <HTML> Closing tag: </HTML>

HTML page “skeleton”

<HTML> - opening HTML tag

<HEAD>

<TITLE>Page Title</TITLE>

</HEAD>

<BODY>

Page Body

</BODY>

</HTML> - closing HTML TAG

Not all tags need a closing tag, but its always safer to include it

An html document should end with the extension “.html” or “.htm”

As I will demonstrate, an html document can be written using notepad; no special software is needed

HTML Tags

First tag: <HTML>

First tag in document

Tag tells the Internet browser that it is reading an HTML document

Without it, the browser would think it was viewing a text document

Closed at end of document with </HTML> tag

All content of web page is between <HTML> and </HTML>

Can think of the <HTML> tag as being a container, since it “holds” the entire content of the web page between the <HTML> and </HTML> tags

HTML Tags

Next tag: <HEAD>

Think of it as a container for aspects of the page that aren't part of the “meat” of the page

For the purposes of this intro, will look at the <TITLE> tag and <META name=“description” content=“...”> tag that go within the <HEAD> container; that is, between the <HEAD> and </HEAD> tags

Closed with </HEAD> tag

<TITLE> Tag

Belongs inside the <HEAD> container; between <HEAD> and </HEAD>

Defines the title of the page that you see at the top of web browser

<META name=“description” content=“Page description”> tag

Belongs inside the <HEAD> container; between <HEAD> and </HEAD>

Not something you see when viewing a web site, but used by search engines

Example: <META name = "description" content = "This is a web page about my trip to the arctic.">

Head examples

HTML is “open”, possible to see the source code of any web page you visit

In Firefox, can get source code by clicking on “View” menu, then selecting “Page Source”

Show HTML source of a couple web pages that many of you visited yesterday



Ignore all the “other (more “advanced”) stuff” and note that:
they all have an `<HTML>` tag near the top
followed by a `<HEAD>` tag
followed soon by a `<TITLE>` tag
and a `<META name=“description” content=“...”>` tag
then a `</HEAD>` tag before the `<BODY>` tag
and eventually have `</BODY>` and `</HTML>` tags

ESPN Example

ESPN: The Worldwide Leader In Sports - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://espn.go.com/

ESPN.com | MyESPN | Profile | Register | Forgot: Password Member Name

Member Name: Password: Sign In

ESPN HUMMER PRESS PASS CLICK FOR A CHANCE TO WIN A HUMMER H3

ESPN Photos Video

Search

ESPN.com's Hottest Searches:
NFL ranks | Heisman | Bowl projections
NFL picks | Fantasy NFL | CFB ranks
FULL SCOREBOARDS +

ESPN

MLB POSTSEASON

	MID	BTH	FINAL
NFL			
NHL			
NCAAFB	ARI 4	BOS 2	
NEXTTEL	COL 6	CLE 4	

MyESPN Insider ESPN360 Page 2 SportsNation Blogs Video PodCenter Video Games Arcade Travel Contests Shop En Español

TV Listings Radio Magazine Mobile

ESPN Fantasy NFL MLB NBA NHL ESPNU College FB Men's BB Women's BB NASCAR Autos Golf Soccer Tennis Boxing AFL More +

Another Avalanche

Live on ESPN Radio NLCS Game 4: Diamondbacks at Rockies

Jerry Lai/US Presswire

Matt Holliday's blast capped off Colorado's six-run fourth inning.

Arizona struck first. The Rockies answered with six runs in the fourth. But the Diamondbacks are threatening late, cutting Colorado's lead to 6-4 in the eighth inning of Game 4 of the NLCS.

GameCast LIVE! Chat: Rob Never LIVE! Conversation LIVE!

- Make no mistake, Jake pitches Indians past Boston ... Watch

E-ticket NCAA NBA Nation RPM P2 Xtra More

Wojciechowski Forde Hill

News Rumor Central Fantasy On ESPN TV

- Giants speed past Falcons for 4th straight win
- Nebraska fires AD, citing lack of progress
- Titans QB Young day to day after MRI on quad
- Reports: Angels' Stoneman to leave GM position
- QB carousel: Bulger set to play
- Knee injury threatened to end ALCS for Big Papi
- Two co-defendants agree to testify against O.J.
- Flyers put suspended forward Boulerice on waivers
- Michigan teammates say Hart will play at Illinois
- London Super Bowl? Commissioner considers idea

More Headlines Daily Line Wire

ESPN MVP EXCLUSIVELY FROM verizon wireless only on CAST Get the Glory

Thoughts on our front page changes? Feedback

BILL SIMMONS: The Sports Guy

The Patriots are sending an X-rated message to the rest of the NFL.

- Week 6 picks
- Podcast: Demise of the Yanks
- SG's World
- Seth Meyers

Issue 10/08 Pittsburgh spark plug, Willie Parker More

GET THE WHOLE STORY HERE
CLICK FOR NEWS AND ANALYSIS

podcasts

PARDON THE INTERRUPTION

Transferring data from assets.espn.go.com...

HTMLBasi... ESPN: The... http://c1.z... Kenny Ch... cisc101Page webPage0... webPage0... webPage0... 3 Notep... webPage0... webPage0... webPage0... 1:25 AM

ESPN Example

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<title>ESPN: The Worldwide Leader In Sports</title>
<!-- GENDATE: 1192464125566 -->
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252" />

    <meta name="description" CONTENT="ESPN.com provides comprehensive sports coverage.
Complete sports information including NFL, MLB, NBA, College Football, College Basketball scores and news." />
    <meta name="keywords" CONTENT="ESPN.com, ESPN, ESPN2, ESPNNews, ESPN Classic, ESPNU, Insider,
sports scores, sports news, MLB scores, NFL scores, NBA scores, NHL scores, College Football scores, College Basketball scores,
sports videos, sports information, Fantasy sports, Fantasy games, Fantasy football, Fantasy baseball" />

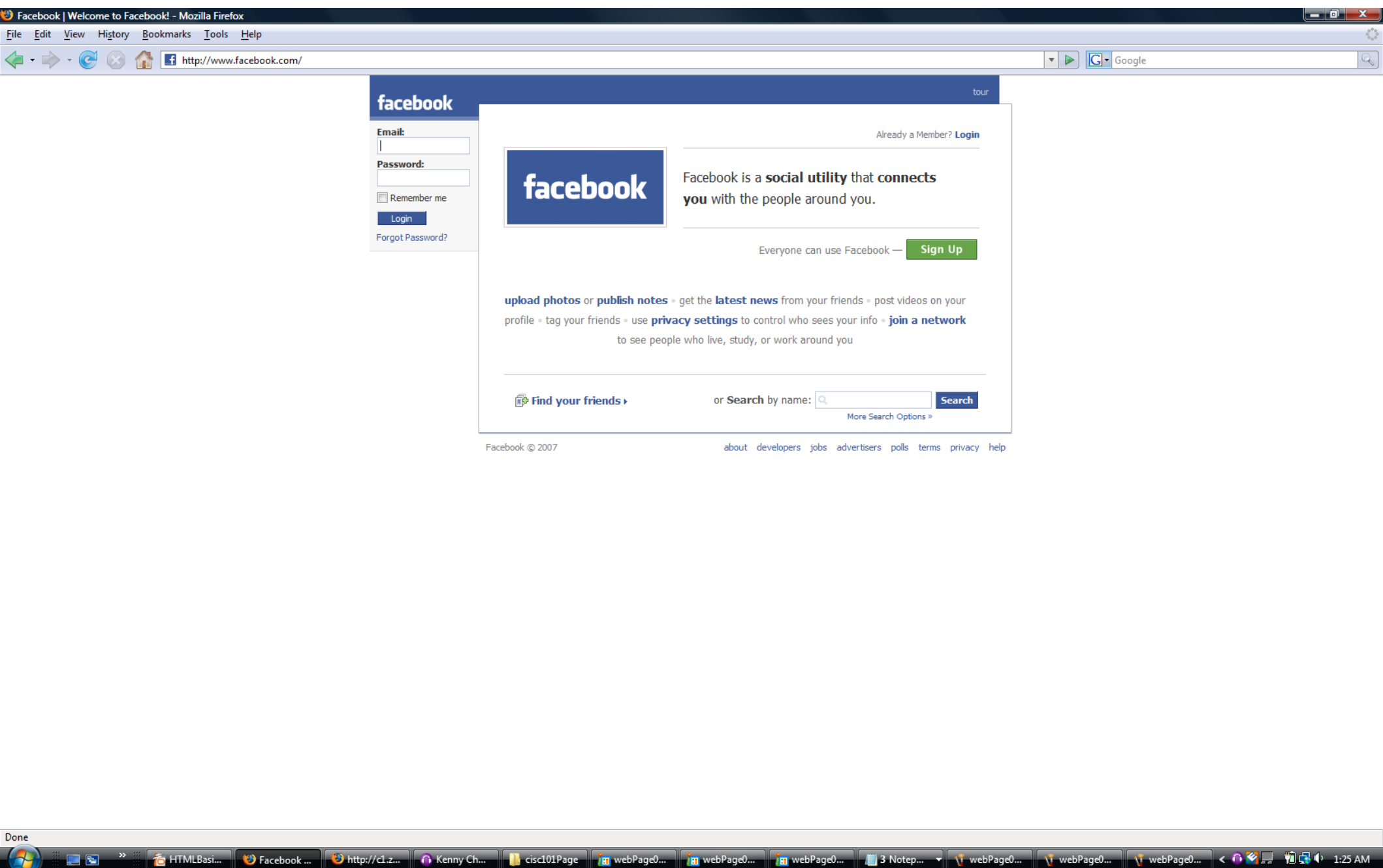
    <meta http-equiv="refresh" content="900" />
    <meta name="robots" content="index, follow" />
    <meta name="googlebot" content="index, follow" />
    <style type="text/css">
@import url(http://assets.espn.go.com/insertfiles/css/frontpage_re_1005a.css);
@import url(http://assets.espn.go.com/insertfiles/css/design06/universalLogin.css);
</style>
<script language="Javascript" src="http://assets.espn.go.com/insertfiles/javascript/frontpage21.js" type="text/javascript"></script>
<script language="Javascript" src="http://assets.espn.go.com/insertfiles/javascript/frame07.js" type="text/javascript"></script>
<script src="http://content.dl-rms.com/rms/11107/nodetag.js"></script>
<link rel="alternate" type="application/rss+xml" title="RSS Feed" href="http://sports-ak.espn.go.com/espn/rss/news" />
</head><body>

<div id="container">
<!-- begin uni login -->
<script type="text/javascript">
var returnUrl = document.location.href;
..... (REST OF BODY)

<!--end revenueScience-->

</div></div></body></html>
```

Facebook Example



Facebook Example

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en" id="facebook">
<head>
<title>Facebook | Welcome to Facebook!</title>
<meta http-equiv="Content-type" content="text/html; charset=utf-8" />
<meta name="robots" content="noodp" />
<meta name="description" content="Facebook is a social utility that connects people with friends and others who work, study and
live around them. People use Facebook to keep up with friends, upload an unlimited number of photos, share links and videos, and
learn more about the people they meet." />
<script type="text/javascript">var cc=new Image();cc.onload=function(){cc.hit=(typeof(Env)=="undefined");};cc.src="http://static.ak.facebook.com
<link rel="stylesheet" href="http://static.ak.facebook.com/css/apps_menu.css?12:43718" type="text/css"/>
.....

<link rel="stylesheet" href="http://static.ak.facebook.com/css/intl.css?12:58147" type="text/css"/><!--[if lte IE 6]><style type="text/css" media="s
<!--[if gte IE 7]><style type="text/css" media="screen">/*! [CDATA[ * / @import url(http://static.ak.facebook.com/css/ie7.css?12:62698); /* ]> */
<script type="text/javascript" src="http://static.ak.facebook.com/js/base.js?12:63576"></script>
<script type="text/javascript" src="http://static.ak.facebook.com/js/extended.js?12:62780"></script>
<script type="text/javascript" src="http://static.ak.facebook.com/js/string.js?12:62769"></script>
.....

<script type="text/javascript" src="http://static.ak.facebook.com/js/intl.js?12:62026"></script><link rel="search" type="application/opensearchdes
<link rel="shortcut icon" href="http://static.ak.facebook.com/favicon.ico" />
</head>
<body class="welcome">

<div id="book">
<div id="sidebar"><a href="http://www.facebook.com" class="go_home"> </a><div id="sidebar_content"><script type="text/javascript">
function quicklogin() { document.cookie = "test_cookie=1;domain=.facebook.com";}</script>
<div id="quicklogin">
.....
.....
.....

</body>
</html>
```

How search Engines use the <META name="Description" content="..." tag

From HTML source code of ESPN web site

```
<meta name="description" CONTENT="ESPN.com provides comprehensive sports coverage.  
Complete sports information including NFL, MLB, NBA, College Football, College Basketball scores and news." />
```

Google search result:



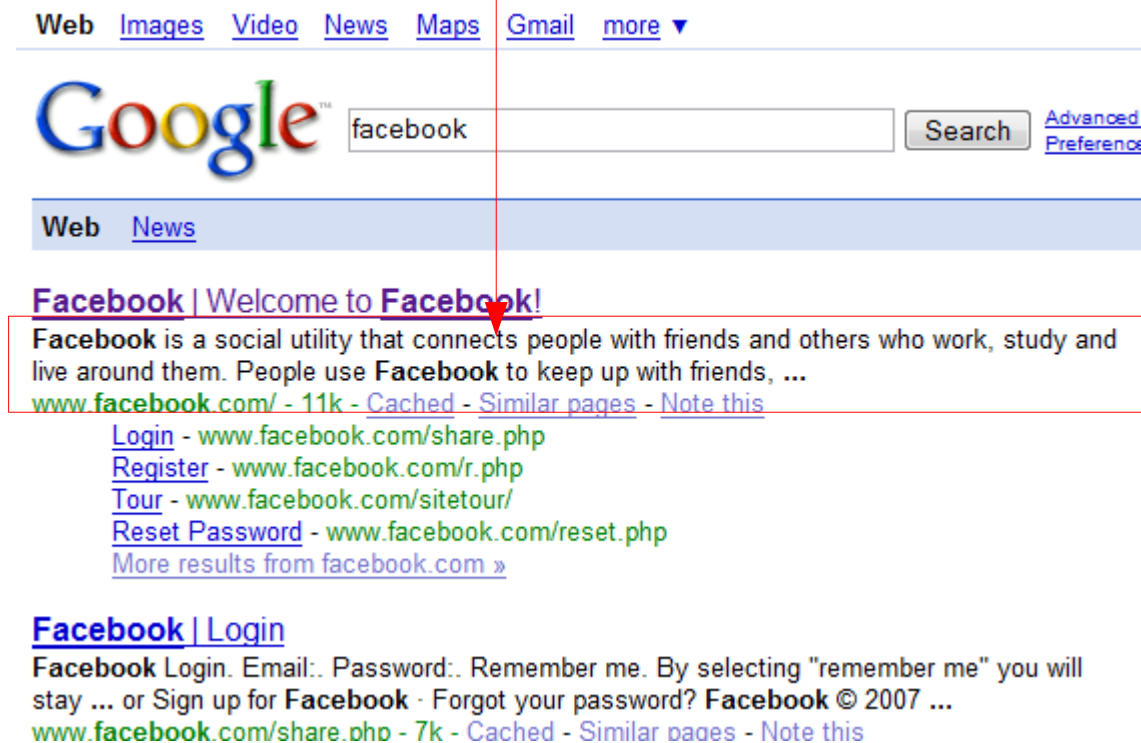
“Blurb” about website on Google comes from META tag with name="description"

How search Engines use the <META name="Description" content="..." tag

From HTML source code of Facebook web site

```
<meta name="description" content="Facebook is a social utility that connects people with friends and others who work, study and live around them. People use Facebook to keep up with friends, upload an unlimited number of photos, share links and videos, and learn more about the people they meet." />
```

Google search result:



“Blurb” about website on Google comes from META tag with name=”description”

The <BODY> Tag

The actual “content” of the website lives within the <BODY> tag container, after the </HEAD> tag and between the <BODY> and </BODY> tags

All the text, images, and links on the webpage belong within the <BODY> tag container

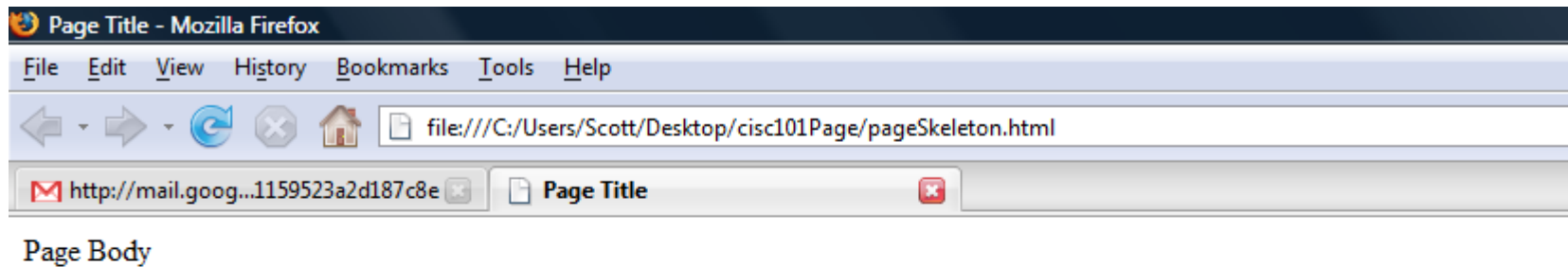
HTML page “pageSkeleton.html”

```
<HTML>
<HEAD>
  <TITLE>Page Title</TITLE>
</HEAD>
<BODY>

  Page Body

</BODY>
</HTML>
```

pageSkeleton.html



“pageSkeleton.html” is a valid html page and has all the necessary tags

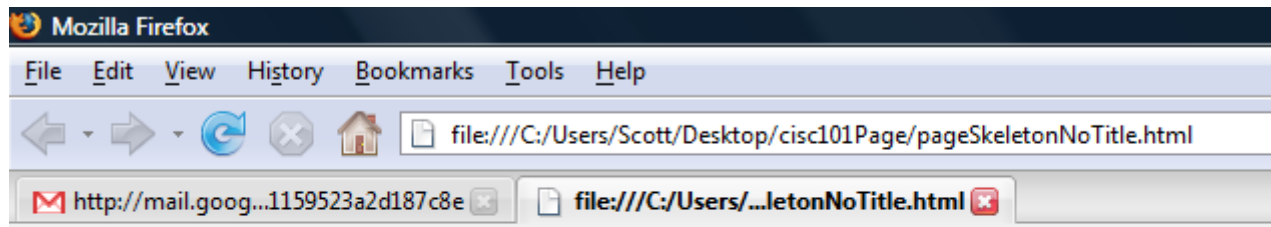
Note that the “title” of “pageSkeleton.html” is “Page Title”, and it is displayed at the top of the browser and at the top of the Tab with the page. This title was defined between the <TITLE> and </TITLE> tag as discussed earlier

Right now, the only text on the page is “Page Body” since that is the only content between the <BODY> and </BODY> tags. There are no images or links on the page, and the text is not formatted in any specific way (so the default formatting is used)

What if the title were not defined?

“pageSkeletonNoTitle.html” is the same as “pageSkeleton.html” except no title is defined; that is, there is no <TITLE>Page Title</TITLE> in the html document between <HEAD> and </HEAD>

Display of pageSkeletonNoTitle.html in browser



When pageSkeletonNoTitle.html is displayed in the web browser, all it says is “Mozilla Firefox” at the top of the browser, nothing about the page being shown, and the Tab contains the file path of the page rather than the page title (and it looks quite messy)

Using the <BODY> Tag

The “meat” of the web page, including all text, images, links, etc., are defined inside the <BODY> container (between the <BODY> and </BODY> tags)

First, define parameters/attributes within the <BODY> tag to control the “look” of the page

- * **TEXT** - this will determine the color of your text throughout your page.
- * **LINK** - This will determine the color of your links through-out your page.
- * **VLINK** - This will determine the color of your visited links through-out your page.
- * **ALINK** - This will determine the color of your active links through-out your page.
- * **BGCOLOR** - This will determine the color of your background through-out your page.
- * **BACKGROUND** - This will determine the background image you load through-out your page.

NOTE: None of these are required, if you do not set them, the default is TEXT=black, LINK=blue, VLINK=purple, ALINK=red, and BGCOLOR=white. Also, when you define these, it is not necessary to use all of them. If you set a background image then you would not need to define a background color etc...

Example using BGCOLOR:

```
<BODY TEXT="red" LINK="black" VLINK="red" ALINK="purple" BGCOLOR="yellow">
```

Example using BACKGROUND:

```
<BODY TEXT="green" LINK="black" VLINK="red" ALINK="purple" BACKGROUND="image.gif">
```

pageSkeletonRedTextYellowBg.html

Example of parameters/attributes within the <BODY> tag

pageSkeletonRedTextYellowBg.html is the same as “pageSkeleton.html”, except parameters added to BODY tag

pageSkeletonRedTextYellowBg.html

```
<HTML>
```

```
<HEAD>
```

```
  <TITLE>Page Title</TITLE>
```

```
</HEAD>
```

```
<BODY TEXT="red" LINK="black" VLINK="red" ALINK="purple" BGColor="yellow">
```

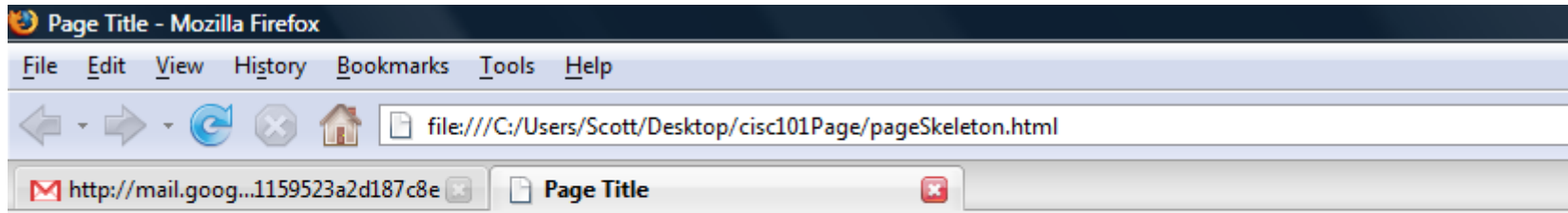
Page Body

```
</BODY>
```

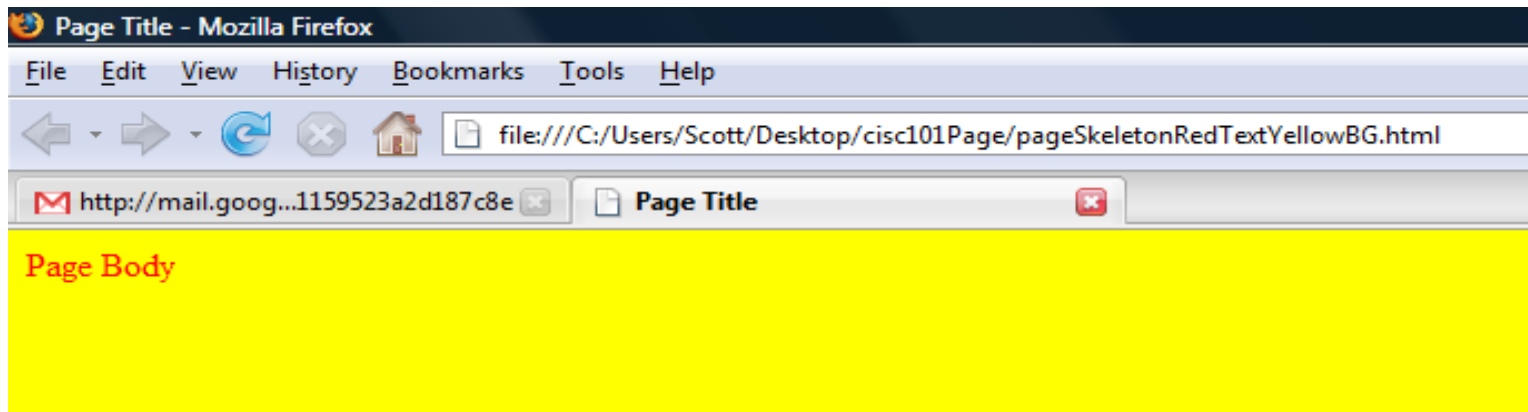
```
</HTML>
```

pageSkeleton.html vs. pageSkeletonRedTextYellowBg.html

pageSkeleton.html in browser



pageSkeletonRedTextYellowBg.html in browser



Easy to experiment with different text colors, backgrounds, link colors, etc by adjusting the parameters within the BODY tag

Adding Content to the Web Page

Need a topic for a web page (unless you want to go the “Seinfeld route” and make it a web page about nothing)

Possible topics:

Hobby/interest of yours that you want to share with “the world”

Promote a politician or some editorial point of view (for example, maybe you want to let everyone know why you support Mitt Romney for President)

Part of some club/organization and a website is a good way to keep everyone informed about the club's latest news and events

My topic:

Trip to Arctic in April of 2007

Creating the Web Page

Start with “pageSkeleton.html”, add a description (described earlier), and add the parameters/attributes of the body tag

- **Decide that I want**

- Text Color: blue
- (Unvisited) link Color: black
- Visited link color: red
- Active link color: purple
- Background Color: yellow

Decide to call the page “arctic.html” and with a title “My Trip To The Arctic”

Written using Notepad, which on every computer with some version of Windows

```
<HTML>
```

```
<HEAD>
```

```
  <META name = "description" content = "This is a web page about my trip to the arctic.">
```

```
  <TITLE>My Trip To The Arctic</TITLE>
```

```
</HEAD>
```

```
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BgColor="yellow">
```

```
</BODY>
```

```
</HTML>
```

REMEMBER TO SAVE THE DOCUMENT AS A .html FILE (not as a .txt file)

What I want to include

Page “heading” that says “My Trip To The Arctic” where the text is larger than the text in the rest of the page

Bulleted list of information about me with a **bold** and underlined heading

Bulleted list of information about my research relating to the trip with a **bold** heading

Bulleted list of information about the ice camp

Pictures from the Arctic that are currently on my local computer

An image from the web that consists of a map of the arctic

Four paragraph write-up about my experience, where each paragraph is nicely formatted

Right now, you don't know how to do any of this! (unless you already have some experience with HTML)

I'll demonstrate adding some of these things in the coming slides, and by the end of the semester, you should know how to add all these components to a website

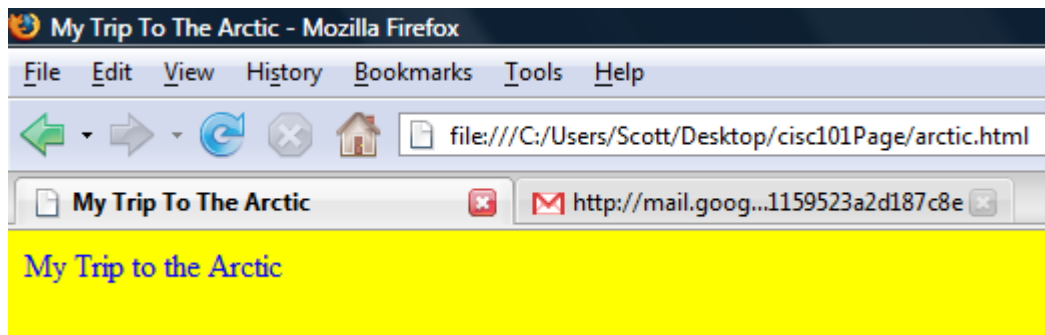
Adding the page heading

Want the page heading to say “My Trip to the Arctic”

First I simply add the text “My Trip To the Arctic”, to the .html document after the <BODY> tag

```
<HTML>
<HEAD>
  <META name = "description" content = "This is a web page about my trip to the arctic.">
  <TITLE>My Trip To The Arctic</TITLE>
</HEAD>
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BgColor="yellow">
My Trip to the Arctic
</BODY>
</HTML>
```

arctic.html in browser:



Text is there, but its not the “right size”

Adding the page heading

Want the text “My Trip to the Arctic”, to be relatively large

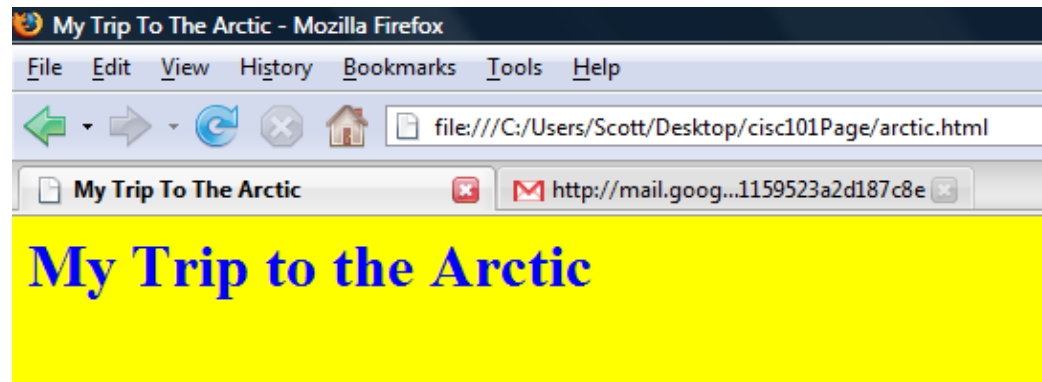
Solution: Use the formatting tag <H1> before the text, which causes the text to be larger

Instead of simply adding “My Trip to the Arctic” to the .html document after the <BODY> tag, I add “<H1>My Trip to the Arctic</H1>” to the .html document after the <BODY> tag

arctic.html with <H1> tag

```
<HTML>
<HEAD>
  <META name = "description" content = "This is a web page about my trip to the arctic.">
  <TITLE>My Trip To The Arctic</TITLE>
</HEAD>
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BgColor="yellow">
<H1>My Trip to the Arctic</H1>
</BODY>
</HTML>
```

arctic.html (with <H1> tag) in browser



Formatting Tags

`<H1>` is an example of a **formatting tag**

Formatting tags:

Used to format the text for display in the browser,

With formatting tags, you can make the text bold, underlined, italicized, and add line breaks and new paragraphs (among other things)

Just like many other HTML tags, many (but not all) formatting tags have an open tag (example: `<H1>`) and a closing tag (example: `</H1>`). All the text between the `<H1>` and `</H1>` will be formatted according to the “rules” of the `<H1>` tag

The rule of the `<H1>` tag is to make the text a certain (and relatively large) size, so all text between the `<H1>` and `</H1>` tags will be relatively large

Tags `<H1>`, `<H2>`, `<H3>`, `<H4>`, `<H5>`, and `<H6>` all used for text size choice:

`<H1>` for largest-sized text, `<H6>` for smallest-sized text

Demonstration of header tags (and <BODY> tag attributes)

HTML document

<HTML>

<HEAD>

<META NAME="Description" Content="Demonstration of heading tags">

<TITLE>Demonstration of <H1> to <H6> heading tags</TITLE>

</HEAD>

<BODY TEXT="yellow" BGCOLOR="black">

<H1>This would be the largest text - H1 tag used</H1>

<H2>This would be the second largest text - H2 tag used</H2>

<H3>This would be the third largest text - H3 tag used </H3>

<H4>This would be the fourth largest text - H4 tag used</H4>

<H5>This would be the fifth largest text - H5 tag used</H5>

<H6>This would be the smallest text - H6 tag used </H6>

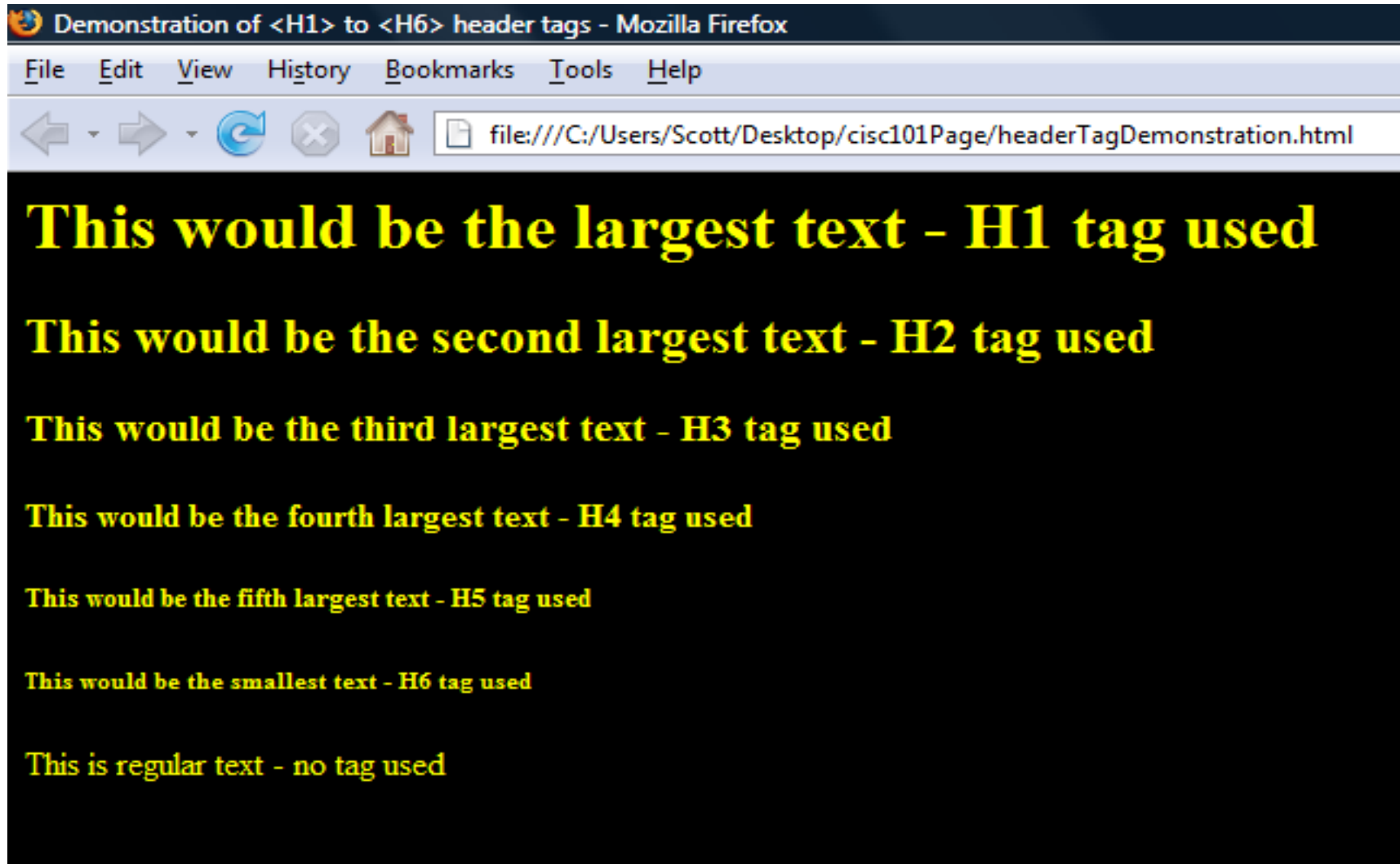
This is regular text - no tag used

</BODY>

</HTML>

Demonstration of header tags (and <BODY> tag attributes)

Result in web browser



Adding “About Me” bulleted list with bold heading

Want to add “About Me” heading, formatted so that it is **bold** and underlined:

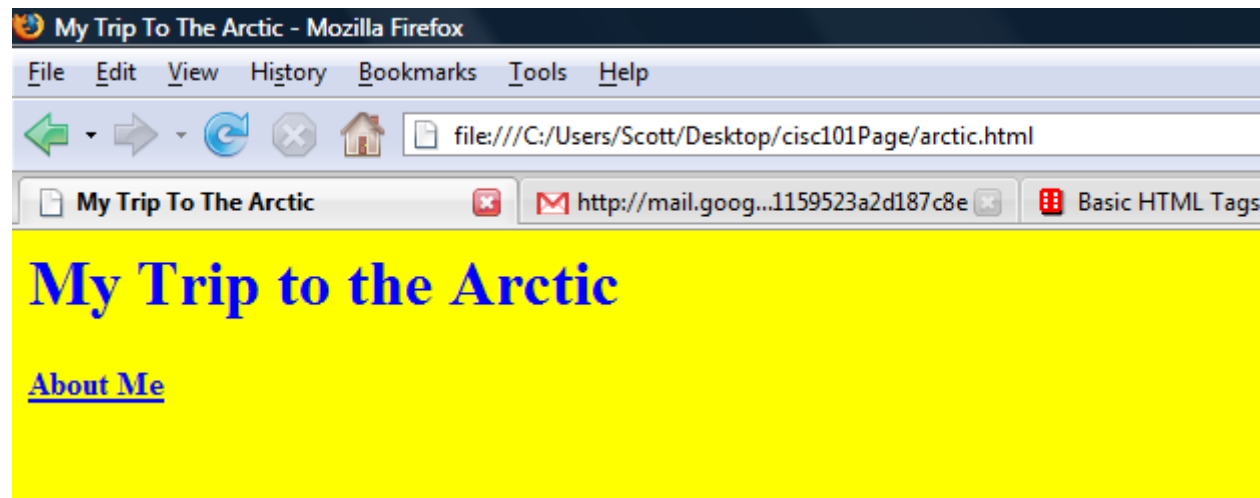
Use the tag to make the text **bold**

Use the <U> tag to make the text underlined

Add to “arctic.html” (right after <H1>My Trip to the Arctic</H1> and before </BODY>):

<U>About Me</U>

arctic.html in browser:



Adding the bulleted list

Use the tag to begin a bulleted list – UL stands for unordered list

Use the tag to begin a new “bulleted item” in the list; LI stands for List Item

No “closing” tag is needed for each item, but you do need a closing tag to “end” the bulleted list

Bulleted list I want to add

- Name is Scott Grauer-Gray
- Originally from Massachusetts (Go Sox!)
- Graduated from UMASS in 2006
- Currently a grad student at the University of Delaware

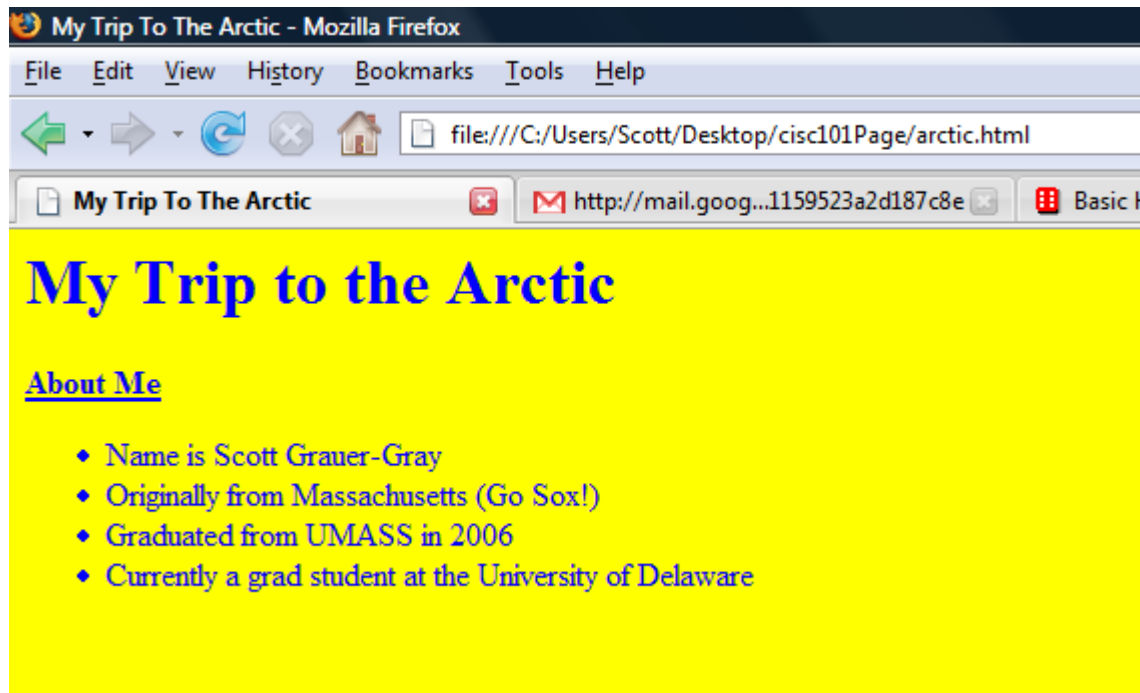
Want to start with to begin the unordered list, then add the 4 bulleted “list items”, putting a tag in front of each one, finally I use a tag to end the list

Adding the bulleted list

Added to arctic.html after the <U>About Me</U> and before </BODY> tag

```
<UL>
<LI>Name is Scott Grauer-Gray
<LI>Originally from Massachusetts (Go Sox!)
<LI>Graduated from UMASS in 2006
<LI>Currently a grad student at the University of Delaware
</UL>
```

Display of arctic.html in the browser



Add Two More Bulleted Lists to arctic.html

Now add a second bulleted list with the following heading and information:

Arctic-related research

- Looked at the motion of sea ice
- Another grad student developed an algorithm that takes two images and finds the motion between the two, he implemented the algorithm in Matlab, and I converted the implementation into java
- Looked at video and pictures of sea ice with the hope of being able to get information about the 3D-structure of the ice from the 2D pictures and video

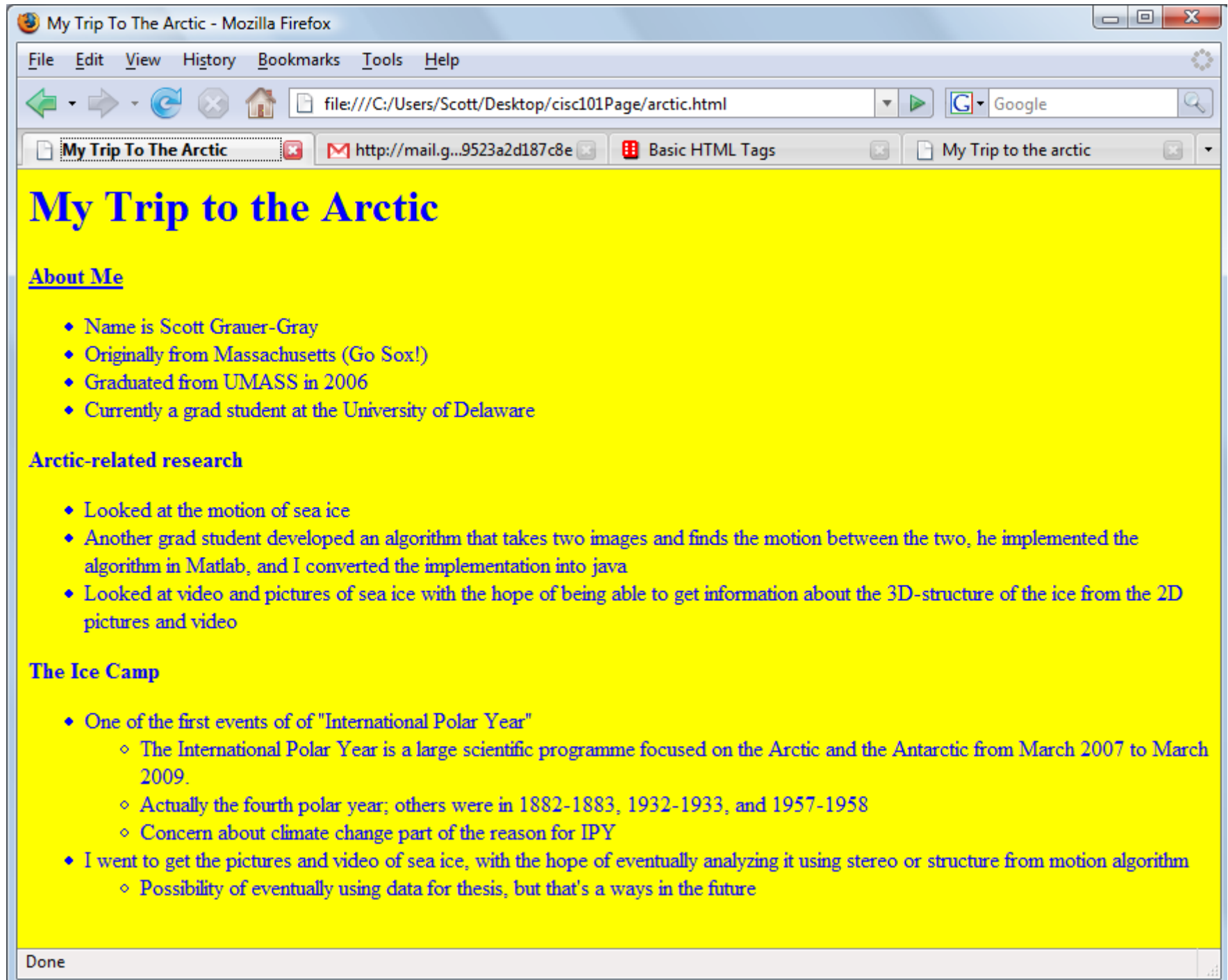
Now add a third bulleted list with the following heading and information:

The Ice Camp

- One of the first events of "International Polar Year"
 - The International Polar Year is a large scientific programme focused on the Arctic and the Antarctic from March 2007 to March 2009.
 - Actually the fourth polar year; others were in 1882-1883, 1932-1933, and 1957-1958
 - Concern about climate change part of the reason for IPY
- I went to get the pictures and video of sea ice, with the hope of eventually analyzing it using stereo or structure from motion algorithms
 - Possibility of eventually using data for thesis, but that's a ways in the future

Third bulleted list shows that it's possible to have a bulleted list within a bulleted list

Current State of web page



What's Missing?

Page has some content, but something is clearly missing in a page about a trip to a remote location?

Might viewers of the page want to actually SEE the location?

Might the person that went to the location want to show “proof” that they've actually been there, proof that goes beyond words?

So, what's the logical thing to add?

PICTURES!!!

Want to add the following picture to the page:



Name of the image is northPole.jpg, and it is in the same directory as arctic.html

Adding pictures to the page

Images must be either .gif or .jpg; not all image formats work with HTML in browser

To add an image, use the tag with the following parameters/attributes

SRC - This is the SouRCe of the image. This would be the image name or location if not in the same directory as the HTML page that is calling it.

WIDTH - Use this command to define the width of the image in pixels.

HEIGHT - Use this command to define the height of the image in pixels.

BORDER - Use this command to set a visible border around your image (set it to zero when linking images if you don't want a visible border).

ALT - The ALT command stands for ALternate text. Use this command to place a short description on the image (used for non graphical browsers and backup in case your image does not load).

ALIGN - By adding this tag you will make the text wrap around the image. There are three options (left, right, and center).

Adding images to a page

Parameters/attributes for the image I want to add

SRC = "northPole.jpg", since the image is in the same directory as the HTML page and northPole.jpg is the name of the image

WIDTH = "500"

HEIGHT = "400"

BORDER = "0"

ALT = "Picture of Scott with sign showing he's 1016.4 miles from North Pole"

ALIGN = not used here; allow default option to be used



Code added to arctic.html to add image to page

```
<IMG SRC="northPole.jpg" WIDTH="500" HEIGHT="400" BORDER="0"  
ALT="Picture of Scott with sign showing he's 1016.4 miles from North Pole">
```

Placement of image on page depends on where this code is put in arctic.html

Adding images to a page

Want the picture to “stand out” near the top of the page

Decide to place the image right below the “My Trip to the Arctic” heading of the page

arctic.html with image added

```
<HTML>
<HEAD>
  <META name = "description" content = "This is a web page about my trip to the arctic.">
  <TITLE>My Trip To The Arctic</TITLE>
</HEAD>
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BGCOLOR="yellow">
<H1>My Trip to the Arctic</H1>

<IMG SRC="northPole.jpg" WIDTH="500" HEIGHT="400" BORDER="0" ALT="Picture of Scott
with sign showing he's 1016.4 miles from North Pole">

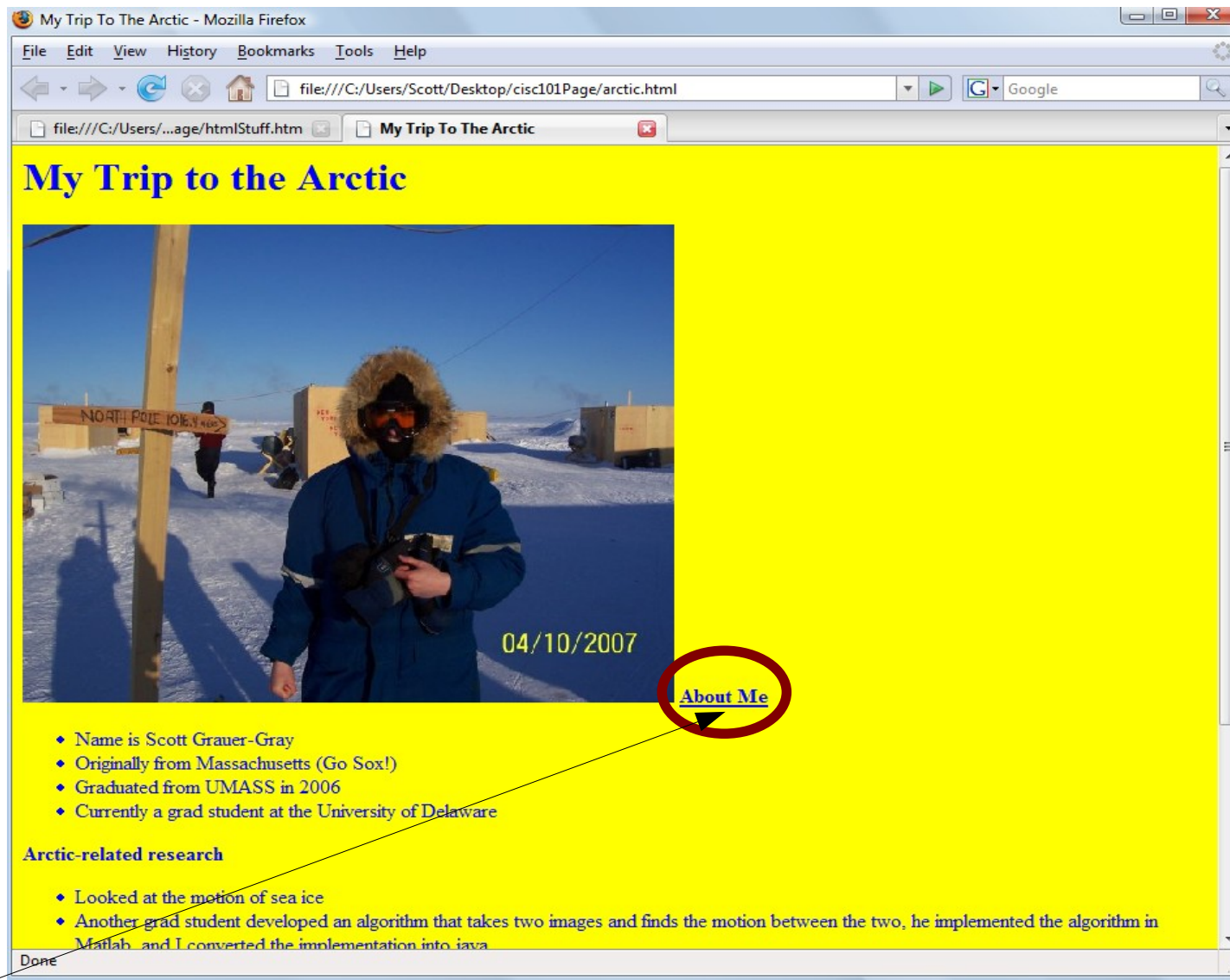
<B><U>About Me</U></B>
.....
.....
</BODY></HTML>
```

arctic.html as viewed in the web browser



What's wrong with it???

arctic.html as viewed in the web browser



“About Me” heading should be on its own line

More Formatting Tags!

HTML does not “recognize” formatting (such as line breaks) in the code, you need to “tell it” when to end a line and begin a new one

Text will “wrap” by default to fit the computer screen, so no need to worry about text falling off the screen

For a line break in the text (equivalent to “Enter” or “Return” in a word processor such as Microsoft Word), simply add the
 tag

 tag does not have a closing tag

**Add
 tag(s) to arctic.html to add the desired line break(s) after the image**

```
.....  
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BGColor="yellow">  
<H1>My Trip to the Arctic</H1>  
  
<IMG SRC="northPole.jpg" WIDTH="500" HEIGHT="400" BORDER="0" ALT="Picture of Scott  
with sign showing he's 1016.4 miles from North Pole">  
<BR>  
<BR>  
<B><U>About Me</U></B>
```

.....

arctic.html as viewed in the web browser – Now with line breaks!



Adding a couple more images

These pictures added after the bulleted lists and a bold, underlined “**Pictures**” heading

Code for heading: `<U>Pictures</U>`

Need to add a couple line breaks (`
` tags) between heading and images

Image to add: ridge.jpg



Code to add image:

```
<IMG SRC="ridge.jpg" WIDTH="500" HEIGHT="400" BORDER="0" ALT="Picture of a natural sea ice ridge">
```


Adding a couple more images

Image to add: sealce.jpg



Code to add image:

```
<IMG SRC="sealce.jpg" WIDTH="500" HEIGHT="400" BORDER="0" ALT="Picture of a sea ice 'river'">
```

(portion of) arctic.html with pictures

The Ice Camp

- One of the first events of of "International Polar Year"
 - ◊ The International Polar Year is a large scientific programme focused on the Arctic and the Antarctic from March 2007 to March 2009.
 - ◊ Actually the fourth polar year; others were in 1882-1883, 1932-1933, and 1957-1958
 - ◊ Concern about climate change part of the reason for IPY
- I went to get the pictures and video of sea ice, with the hope of eventually analyzing it using stereo or structure from motion algorithm
 - ◊ Possibility of eventually using data for thesis, but that's a ways in the future

Pictures



This page is great, but the user isn't going to stay forever

...Maybe there are related sites the user may want to see

...Maybe my site left the user “wanting more” and wanting to see related sites

...Maybe someone's paying me to advertise their website

...Maybe there's a site I like that I want to share with the world

Whatever the reason, I want to add links from my site to other websites (or to other pages within my website)

Adding links to a website

First, I add a bold **links** heading: `Links`

To add a link, use the `<A>` tag – A in tag stands for anchor

Tag is used for more than “just” making links

However, making links with `<A>` tag is all we're really going to look at for right now

To create a link, use the `<A>` tag with the HREF command

Full tag for link is ``, where target can be an .html page, an email address, a link to download a file, or a NAME defined within the webpage (also using the `<A>` tag)

All text following the `` command will be linked to the target until the closing `` tag is used

Adding links to a website

Add a link to the international polar year website



Address of International Polar Year website is <http://www.ipy.org/>

Tag is therefore ``

Want linked text to say “International Polar Year website”, and I don't want the text after that to be linked to the site

Code to add link is therefore

`International Polar Year website`

Closing `` tag is very important since it was what “ends” the link; otherwise the rest of the text on the web page will be linked to the site, which you probably don't want (and you may very well have seen links that seem “too long”)

Adding links to a website

arctic.html with link to International Polar Year website



Link color is red: note the <BODY> tag parameters/attributes

```
<BODY TEXT="blue" LINK="black" VLINK="red" ALINK="purple" BgColor="yellow">
```

Page is a site I've visited before, so the "VLINK" color is used, which is set to be red

Can easily be changed by simply changing the parameters/attributes of the <BODY> tag

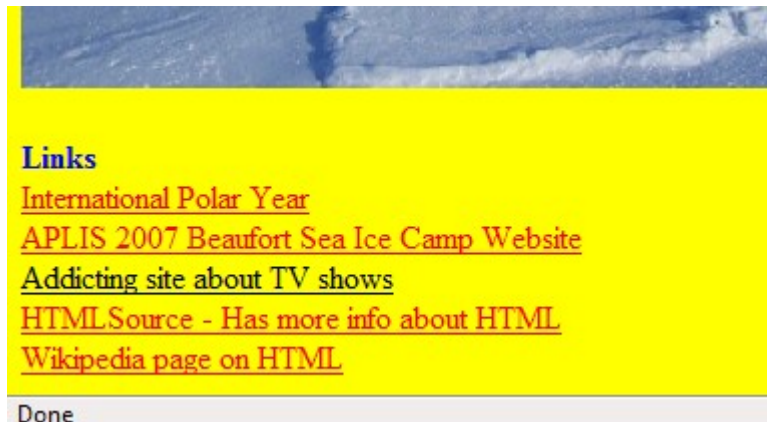
Adding more links

Need to add a line break using `
` between every line so that links are on different lines

Code added below link to International Polar Year link (and before the `</BODY>` tag)

```
<BR>
<A HREF="http://aplis07.iarc.uaf.edu/index.php/Main_Page">APLIS 2007 Beaufort Sea Ice Camp Website</A>
<BR>
<A HREF="http://televisionwithoutpity.com">Addicting site about TV shows</A>
<BR>
<A HREF="http://www.yourhtmlsource.com/">HTMLSource - Has more info about HTML</A>
<BR>
<A HREF="http://en.wikipedia.org/wiki/HTML">Wikipedia page on HTML</A>
```

Resultant (link portion of) arctic.html page



More That Can be Done

Add a background image as opposed to a background color

Add more content to the page

Did a 4-paragraph write-up about the experience that would fit in well with the page

Add links within the page

What if the user wants to skip right to the pictures?

Actually did all that!

This Introduction Is not all there is to HTML!

There's a lot more to HTML and website creation

If your interested, my best advice is to probably just Google “HTML” or “HTML tutorials”, you'll get plenty of results

Worth noting that most commercial websites (ESPN, Facebook, etc.) are not hand-coded using Notepad like you'll do for this class

There are commercial tools such as Dreamweaver and Microsoft Frontpage as well as free, open-source tools such as SeaMonkey (formerly Mozilla Composer) for website creation

However, before using these tools, it's important that you understand the basics of HTML, like learning how to add before using a calculator, and learning to crawl before you learn how to walk

More Formatting Tags!

Another important tag involving line breaks is the <P> tag, which does have an accompanying closing </P> tag

<P> tag is used for paragraphs

The <P> paragraph tag puts a blank space above and below the text enclosed in its tags

ParagraphDemo.html

```
<BODY TEXT="white"
  BGCOLOR="purple">
<P>This is paragraph 1</P>
<P>This is paragraph 2</P>
<P>This is paragraph 3</P>
</BODY>
```

