Introduction to HTML – Recitation 3

We're going to start building webpages!! You'll learn how to create a basic webpage, how to upload it onto Eden (Recitation 2), and how to view it in a browser (Recitation 2).

A good resource: http://www.w3schools.com

Tools: Notepad, Notepad++, or a text editor for editing, a web browser for viewing the page. **On your personal computers, install and use Sublime! It's awesome :)**

** **DO NOT** use Microsoft Word for editing because it has additional formatting that will mess up your work.
** **DO NOT** use other tools like FrontPage or Dreamweaver.

How to start building a webpage:
  1) Open up a text editor
  2) Save your file as [something].html (IT MUST END IN .html)
  3) Put tags everywhere!

What is HTML? And what are tags?
HTML stands for HyperText Markup Language. It's simply a language used for creating webpages. An HTML file is composed of tags. Most tags follow this format:

<div align="center"><opening tag></closing tag></div>

Here are some basic tags:
<html></html>
<head></head>
<title></title>
<body></body>

<i></i>
<u></u>
<h1></h1> up to <h6></h6>
<hr>

<img src="somepic.jpg">
<p></p>

**Notice <hr>, <br>, and <img> don't need closing tags
**Tags can be nested (shown below)

DOCTYPE Declaration:
The <!DOCTYPE> declaration must be the very first thing in your HTML document, before the html tag.
It is not an HTML tag; it tells the browser what version of HTML the page is written in.
TLDR; always add the <!DOCTYPE> declaration to your HTML documents so that the browser knows what type of document to expect.

Skeleton HTML File:
```
<!DOCTYPE html>
<html>
  <head>
    <title> My Website! </title>
  </head>
  <body>
    <h1> This is my website. </h1>
   </body>
</html>
```

How to view the HTML file:
1) Save it (with a .html extension)
2) Using the SSH client (Recitation 2), upload it to eden.
3) Set permissions on the page:
     - All HTML files and images need to be readable by others: set the
     permissions to 644
     - All folders need to be executable by others: set the permissions to 755.
3) Go to http://eden.rutgers.edu/~netid/pagename.html