

computing club notes
Roger's session on webpages
3-8-08

--Firefox -ctrl-u or apple-u to see code

webserver

--department webserver is called `www.biostat.jhsph.edu`

--your website "lives" on dept webserver--separate from enigma, etc
--everyone in the department should have a directory on the webserver
--same login and password as enigma

--public_html is where your website "lives"
--put all the files linked to your website in this directory
--the key file is the `index.html` file
 --it's the first file to create when creating your website

--notice the permissions
--you may need to make your website readable by other people
--most likely, it's readable to others by default
--if you get an error, permissions is often the first problem
--to change permissions for your directory and home directory,
 use `chmod 775 public_html`

html

--html is similar to latex; they're both markup languages
--html uses tags, most of them need to be closed

--for a new page, need an html tag

--head like the preamble in latex
 --head includes title (what's in title bar) and style sheet

--body--contains text of your webpage

--usually start with a header
--h1...h5--type sizes, 1 is largest
--actual size depends on stylesheet you're using

p tag (<p>) starts a paragraph
 --tag doesn't need to be closed, but it's <\p> if you want to

unordered lists look like this

```
<ul>
    <li> is a list item <\li>
<\ul>
```

```
<ol> is an ordered list
```

```
--spaces are ignored, again like latex
```

```
<br /> this tag does a line break
    --it doesn't close, so that's why there's a slash at the end
    --you don't need to include the slash
```

```
--tags sometimes have attributes, eg table
```

```
--image <img> needs
    --a source for a file (src=)
        (the path is relative to the directory your file is in)
    --or an href--for a full url
        -- linking to someone else's image is not considered good
            neighborly practice, because the image gets downloaded from
            their server and they have to pay for it
```

```
--try to keep images on your website small because it takes awhile for people
to download it
    --can use iphoto or picasa to make pictures small instead of doing it
in the html code
```

```
--you usually want to specify a total width for your webpage
    --this is done in the style sheet
```

```
--links take the form <a href="url">what you want to be linked</a>
```

```
--link and image have an alt attribute that says what should be there if the
picture or link doesn't work
```

random stuff

```
--style sheets can be found on the web
    --see w3c core sheets
    --to use these <link rel="stylesheet" href="url">
        --it tells you this on the website
```

```
--Using div allows you to specify where the different parts on your webpage go
    -- based on id
    --Roger has a header, a nav section for a navigation bar
```

```
<div id="blank">
</div>
```

```
--pre tag is like verbatim tag in latex
    -- useful for computer code where indentation is important

--http://www.ficml.org/jemimap/style/color/wheel.html
--use this color wheel to figure out hexadecimal representation of colors

    --web-safe colors work on even the oldest computer screens
--web-smart works on most computers

--baseline stretch--length from the base of one line to the next
    --baseline stretch should be proportional to the length of your
    lines of text

--css stands for cascading style sheets

--comments in html is <!-- comment here -->

--Roger used tool called tidy to keep his html files neat
--you can find it in /home/htmlrpeng/bin

--Roger's css file in /home/html/rpeng/styles
```

example webpage created during session

```
<html>
<head>

<title> My Homepage</title>

<link>

</head>

<body>

<h1> My Homepage </h1>

<p> This is my webpage </p>
```

```
<p> Here is an unordered list:</p>
```

```
<ul>
```

```
<li> First item </li>
```

```
<li> Second item </li>
```

```
</ul>
```

```
<p> Here is an ordered list:</p>
```

```
<ol>
```

```
<li> alt="Picture of myself" <a href="picture.jpg"> number </a> 1</li>
```

```
</ol>
```

```
<table border = 1 cellpadding = 5>
```

```
<tr><td>upperleft</td><td>upperright</td></tr>
```

```
<tr><td>lowerleft</td><td>lowerright</td></tr>
```

```
</table>
```

```

```

```
</body>
```

```
</html>
```