What Will We Do Today?

<cs105>

</cs105>
What Will We Do Today?

<cs105>
  <intro>
    What Will We Do Today?
  </intro>
</cs105>
What Will We Do Today?

<cs105>
  <intro>
  What Will We Do Today?
  </intro>
  <chapter>
  The Orange Furball
  </chapter>
  <chapter>
  What Does The Fox Say?
  </chapter>
  <chapter>
  Put away some toys
  </chapter>
  <chapter>
  Play with tags
  </chapter>
</cs105>
What **Does** the Fox Say?

Fox.mp4

What's That?
### Why File Extensions Matter

<table>
<thead>
<tr>
<th>ZIP</th>
<th>DOCX</th>
<th>JPG</th>
<th>SB2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE</td>
<td>XLSX</td>
<td>MP3</td>
<td>HTML</td>
</tr>
<tr>
<td>JS</td>
<td>PDF</td>
<td>AVI</td>
<td>CSS</td>
</tr>
<tr>
<td>CPP</td>
<td>TXT</td>
<td>MP4</td>
<td>PNG</td>
</tr>
</tbody>
</table>

**Compressed? What do you mean?**
ZIP Files are like Legos...sort of
Did you ever build a Lego house?
ZIP Files are like Legos...sort of

Sure takes up a lot of space....
How can we make it smaller?

There's a lot of air in it!

What if we could remove that?

Like in a Space Saver bag
So let's just take it apart, then much smaller already!
Enough Talk...

Let's do some “programming”

Today we will learn how to:

- create a very basic HTML page
- display some text

Meet JS Fiddle
Hypertext Markup Language

In a book you can only read forward

or maybe backward if you like

In Hypertext, you can “teleport” to another place...

like you’re going through hyperspace
Let’s start simple
First we must create a simple page

```html
<html>
<head>
<title>CS 105 Page</title>
</head>
<body>
  CS 105 students are awesome!
</body>
</html>
```
Hypertext Markup Language

Technically we should start with this

Especially when working with clients from around the world

<!DOCTYPE html PUBLIC
"-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
Hypertext Markup Language

Let’s start simple

First we must create a simple page

<html>
<head>
<title>
CS 105 Page
</title>
</head>
<body>
CS 105 students are awesome!
</body>
</html>
Hypertext Markup Language

Try it out!

cs105.cs.illinois.edu/myfirst.html
Hypertext Markup Language

You can see / steal any web site’s HTML

CTRL-U is your friend

(on tablets try touch-and-hold to bring up the context menu)
Hypertext Markup Language

Your turn!

Save the page as “myfirst.html”
to your desktop.

Then change the text to
“*yourname* is awesome!”
Hypertext Markup Language

We need more tags!

How about \( \langle \text{h1} \rangle \ [\ldots] \langle /\text{h1} \rangle \)

That displays \([\ldots]\) as a headline using the largest standard font size
Hypertext Markup Language

<p> [...] </p>

All the text on our page should be encapsulated by paragraph tags.

This will allow us to more easily change the text’s looks and behavior later.
Hypertext Markup Language

Write the code for this page. Test it!

*yourname* is awesome!

[Write a sentence or two explaining why you are awesome]