



Announcements

Books are available today!

Reading:

- It's important -- My lectures review reading
- Unannounced quizzes based on reading
- So far, Chapters 2-4 have been assigned
- Reading for Friday -- Chapter 5

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Hypertext Markup Language

HTML is the language of Web pages

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Web Pages in HTML

The screenshot shows a web browser window with the title 'American Writers'. The page content includes a table with links to authors: Thoreau, Dickinson, Longfellow, Alcott, Twain, Emerson, and Steinbeck. Below the table, there is a paragraph about Steinbeck: "Steinbeck traveled to Russia several times, but never mastered the language. Traveling with photographer Robert Capa in 1947 he wrote, '...I admit our Russian is limited, but we can say hello come in, you are beautiful, do you don't, and of which charms us but rarely needed. The left foot.' We don't use th...".



HTML Structure

All HTML files use the same structure:

```

<html>
  <head>
    <title>Name of Page Goes Here
  </title>
  Other heading content goes here
  </head>
  <body>
    Other body content goes here
  </body>
</html>

```

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First HTML Web Page

This HTML produces this result

The screenshot shows a web browser window with the title 'First' and the content 'Web Page'. The HTML code is shown on the left:

```

<html>
  <head>
    <title>First
  </title>
  </head>
  <body>
    Web Page
  </body>
</html>

```

A red arrow points from the word 'Content' to the text 'Web Page' in the HTML code.

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The Source

HTML code producing a page is the *source...which can always be viewed*

The screenshot shows a web browser window with the title 'First' and the source code visible. The source code is color-coded and shows the HTML structure:

```

<html>
  <head>
    <title>First
  </title>
  </head>
  <body>
    Web Page
  </body>
</html>

```

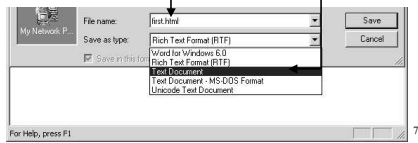
A red box highlights the text 'Notice color coding'.



HTML Must Be Text

Word processors (recall Chap. 2) insert formatting tags, confusing browsers

- Create source in WordPad, etc.
- Save in **Text** or **txt** format
- Save with file extension **.html**



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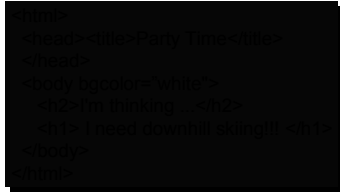


Illustrate the Process

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Illustrate the Process



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Add An Image

Images are encoded two ways:

• GIF -- Graphics Interchange Format -- is for diagrams and simple drawings

• JPEG -- Joint Photographic Experts Group -- is for high resolution photos, complex art

- The encoding is given in the file extension

- Image tags for placing images

```

```

tag attribute name (source) path name to file

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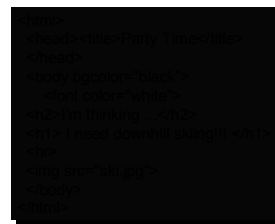


Illustrate the Process

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Illustrate the Process





File Structure

The path must say how to reach the file

- When the file is in the directory as the web page, just give the file name, **ski.jpg**
- If the file is in a subdirectory, say how to navigate to it, **pix/ski.jpg**
- If the file is in a superdirectory, move up using dot-dot notation, **../ski.jpg**

The most common reason that an image is not displayed is the path is wrong ... check!

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Illustrate

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Illustrate



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Summary

Web pages are written in HTML

- The files must be text
- The file extension must be **.html**

Tags enclose content like parentheses

- Control look with attributes on tags

Use a change-and-test process

Images have two formats and explicit paths

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