

Basic HTML

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HTML is a markup (as opposed to a WYSIWYG) language for formatting web pages with text and graphics, including links to other web pages, and — what concerns us here — “applets” written in Java (an “applet” is a little application).

An HTML file is named with the extension `.htm` or `.html` and includes *tags* and text. Typically a tag named **THINGY** is used as follows

```
<THINGY parameters>
text
</THINGY>
```

Some useful tags are:

HTML used to begin an HTML file

HEAD used for the section put at the top of the browser window

TITLE used for the title in the head, and for bookmark labels

BODY marks the body of text

A used for a link to another document. To give a link to a document with URL *doc*, using label *text*, use `text`

H1, **H2**, ... these are used for titles of logical sections, subsections, ...; some people mistakenly use these to bold-face text, but they are *wrong*

B used to bold-face text

I used to italicize text

CODE used for text to be displayed as code

BR used for a line break

P used for a new paragraph

HR gives a horizontal rule

APPLET used for a Java class applet

Note that case does not matter for HTML. Deitel and Deitel prefer lowercase, whereas I usually use uppercase. A browser also ignores line breaks, extra spaces, etc, and formats the text according to what it thinks will look good. Comments in an HTML file are delimited by `<!-- ... -->`.

A command `appletviewer` is provided to run an applet in a minimal HTML file. If the file `joe.html` consists of

```
<HTML>
<APPLET CODE="Thingy.class" WIDTH=x HEIGHT=y>
</APPLET>
</HTML>
```

then the command `appletviewer joe.html` will run the applet found in `Thingy.class` in a window *x* pixels wide and *y* pixels high.

We finish with an example:

```
<!-- file boring.html : a boring complete example -->
<!-- 1/ 2/99 : Herr Prof. Dr R. G. Larson -->
<HTML>
<HEAD><TITLE>A Boring Example</TITLE></HEAD>
<BODY>
<H1>The first section</H1>
<H2>The first subsection</H2>
In this <B>very</B> boring subsection, we run a <I>Hello, World!</I>
applet in a window which is 150 pixels wide and 60 pixels high:
<APPLET code="Hello2.class" width=150 height=60></APPLET>
<H2>The second subsection</H2>
It's here just to demonstrate the H2 tag. While we're at it, here's
some <CODE>code text</CODE> and some <I>italic text</I>.
<H1>The second section</H1>
Good Grief!! How long do I intend to keep this up? Not too much
longer, fortunately.
Let's do a horizontal rule
<HR>
followed by some more stuff.
<P>Even a new paragraph!
We close with a link to the <A HREF="http://www.math.uic.edu/">math
home page</A>.
</BODY>
</HTML>
```

This bit of HTML can be found on the class web site where you can see what it does. You might also want to look at other pages there for more examples of simple HTML. (Most browsers will allow you to view the HTML of a page you are viewing.)