

Basics of HTML Syntax

Still from movies
“conceiving Ada”
About a woman
programmer in the
90’s and her
connection Ada
Lovelace and writer,
chiefly known for her
work on Charles
Babbage's proposed
mechanical
general-purpose
computer in the
1800’s



What's HTML?

Hypertext Markup Language, a standardized system for tagging text files to achieve font, color, graphic, and hyperlink effects on World Wide Web pages.

Today we are going to start learning some basic HTML and set up our own web pages. You will be presenting your assignments for class by posting them to the sites we create today.

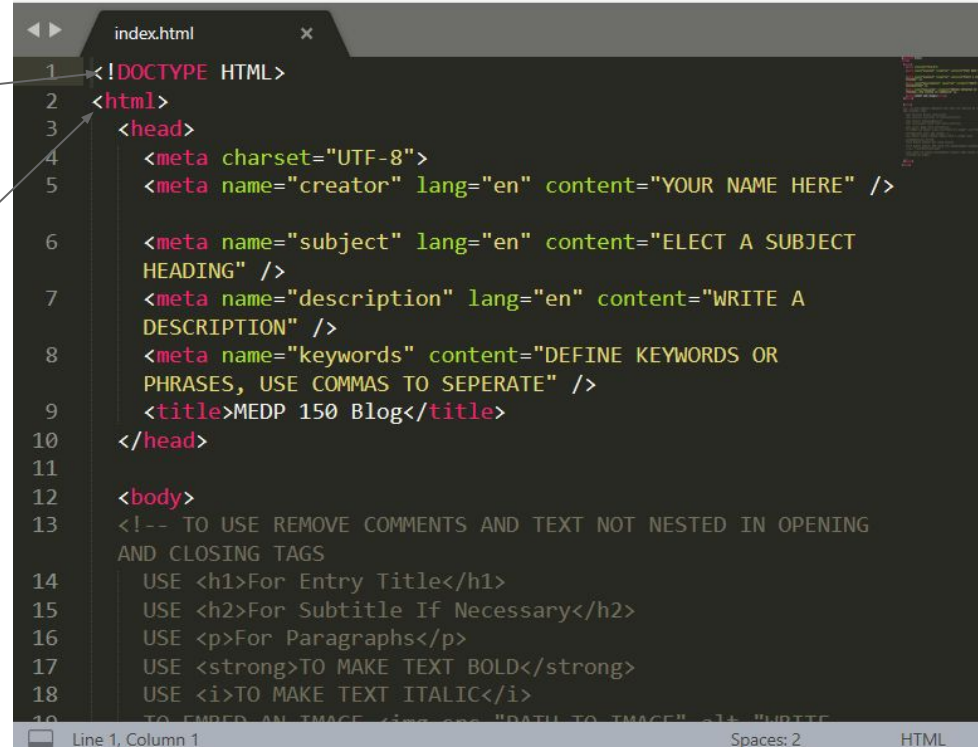
Please take a moment to download the free program Sublime text editor. We will be using this program to write code, it has helpful features but code can also be written in any text program, as above all it is a language.

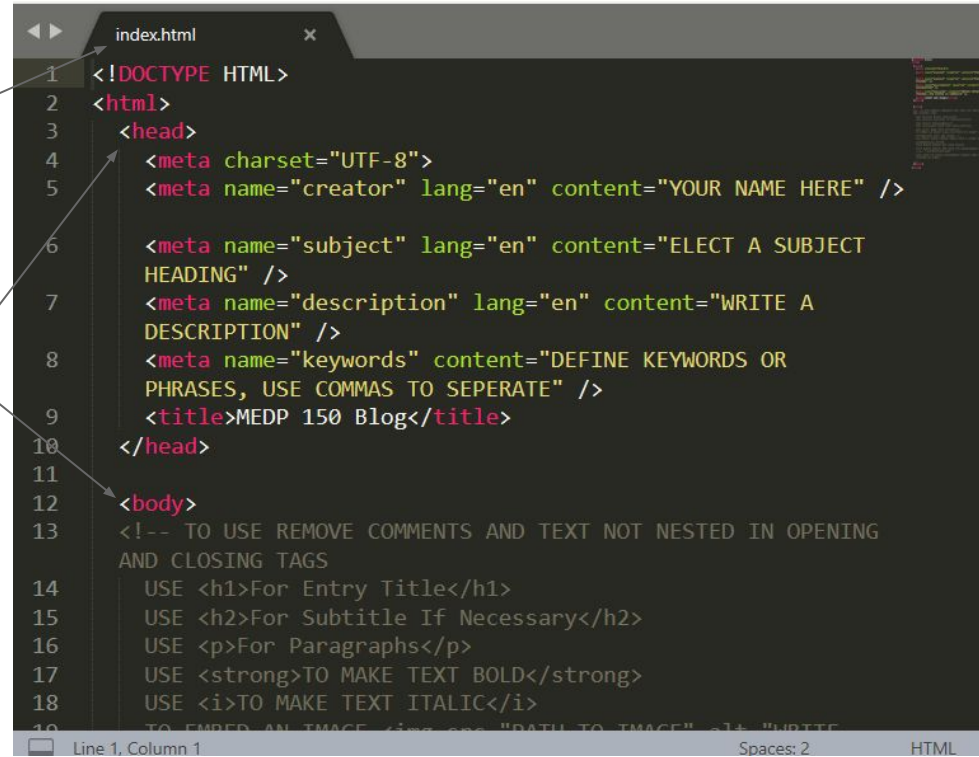
Our websites may seem basic but think of them as building blocks that can help us learn to code. Don't ever be embarrassed if anything you are coding is "not perfect" We are here to learn together!

<!DOCTYPE HTML> specifies the type of document you are creating (must always go at the top of your html doc)

<html> </html> always used to open and close a document.

Sandwich Style: think of your html doc as a sandwich, your opening and closing html tags are the bread that hold it all together.

A screenshot of a code editor window titled 'index.html'. The editor shows an HTML document structure. Line 1: <!DOCTYPE HTML> (An arrow points from the text '<!DOCTYPE HTML> specifies the type of document you are creating' to this line). Line 2: <html> (An arrow points from the text '<html> </html> always used to open and close a document.' to this line). Line 3: <head> Line 4: <meta charset="UTF-8"> Line 5: <meta name="creator" lang="en" content="YOUR NAME HERE" /> Line 6: <meta name="subject" lang="en" content="ELECT A SUBJECT HEADING" /> Line 7: <meta name="description" lang="en" content="WRITE A DESCRIPTION" /> Line 8: <meta name="keywords" content="DEFINE KEYWORDS OR PHRASES, USE COMMAS TO SEPERATE" /> Line 9: <title>MEDP 150 Blog</title> Line 10: </head> Line 11: <body> Line 12: <!-- TO USE REMOVE COMMENTS AND TEXT NOT NESTED IN OPENING AND CLOSING TAGS Line 13: USE <h1>For Entry Title</h1> Line 14: USE <h2>For Subtitle If Necessary</h2> Line 15: USE <p>For Paragraphs</p> Line 16: USE TO MAKE TEXT BOLD Line 17: USE <i>TO MAKE TEXT ITALIC</i> Line 18: TO EMBED AN IMAGE ** **</head>** **<body>** **</body>** Thinking about head and body tags anthropomorphically, the head contains the information that shapes the contents while the body contains the contents that appear on the page.



```
index.html
1 <!DOCTYPE HTML>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5     <meta name="creator" lang="en" content="YOUR NAME HERE" />
6
7     <meta name="subject" lang="en" content="ELECT A SUBJECT
8     HEADING" />
9     <meta name="description" lang="en" content="WRITE A
10    DESCRIPTION" />
11    <meta name="keywords" content="DEFINE KEYWORDS OR
12    PHRASES, USE COMMAS TO SEPERATE" />
13    <title>MEDP 150 Blog</title>
14  </head>
15  <body>
16    <!-- TO USE REMOVE COMMENTS AND TEXT NOT NESTED IN OPENING
17    AND CLOSING TAGS
18    USE <h1>For Entry Title</h1>
19    USE <h2>For Subtitle If Necessary</h2>
20    USE <p>For Paragraphs</p>
21    USE <strong>TO MAKE TEXT BOLD</strong>
22    USE <i>TO MAKE TEXT ITALIC</i>
23    TO EMBED AN IMAGE 

Meta tags are snippets of text that describe a page's content; the meta tags don't appear on the page itself, but only in the page's code.

**<meta charset= "UTF-8">** The charset attribute specifies the character encoding for the HTML document.

**Meta Content keywords:** search words used by browsers to show your websites in search results.

**The name and content attributes** specifies the name for the metadata. And the content therein.

```
index.html x
1 <!DOCTYPE HTML>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <meta name="creator" lang="en" content="YOUR NAME HERE" />
6
7 <meta name="subject" lang="en" content="ELECT A SUBJECT HEADING" />
8 <meta name="description" lang="en" content="WRITE A DESCRIPTION" />
9 <meta name="keywords" content="DEFINE KEYWORDS OR PHRASES, USE COMMAS TO SEPERATE" />
10 <title>MEDP 150 Blog</title>
11 </head>
12 <body>
13 <!-- TO USE REMOVE COMMENTS AND TEXT NOT NESTED IN OPENING AND CLOSING TAGS
14 USE <h1>For Entry Title</h1>
15 USE <h2>For Subtitle If Necessary</h2>
16 USE <p>For Paragraphs</p>
17 USE TO MAKE TEXT BOLD
18 USE <i>TO MAKE TEXT ITALIC</i>
19 TO EMBED AN IMAGE <img src="PATH TO IMAGE" alt="WRITE
```



# The Body

Tags written on the body will appear on your website experiment with the tags provided to make content appear on your page

<h1> heading tag </h1>

<p> paragraph tag </p>

Embed an image

Make sure image files are stored in the same folder as the web page or they will not appear.

Embed video:

[https://www.w3schools.com/html/html\\_youtube.asp](https://www.w3schools.com/html/html_youtube.asp)

```
index.html x
9 PHRASES, USE COMMAS TO SEPERATE" />
10 <title>MEDP 150 Blog</title>
11 </head>
12 <body>
13
14 <h1>For Entry Title</h1>
15 USE <h2>For Subtitle If Necessary</h2>
16 USE <p>For Paragraphs</p>
17 USE TO MAKE TEXT BOLD
18 USE <i>TO MAKE TEXT ITALIC</i>
19 TO EMBED AN IMAGE
20 ALL FILES NAMES SHOULD BEGIN WITH A LOWER CASE
 ALPHABETICAL LETTER
21 FILE NAMES SHOULD NOT HAVE SPACES
22 FILE NAMES SHOULD END WITH THE APPROPRIATE EXTENSION,
 i.e.: "selfPortrait.jpg"
23 FEEL FREE TO EMBED APPROPRIATE VIDEOS FROM SITES SUCH AS
 YOUTUBE OR VIMEO
24 -->
25 </body>
26 </html>
27
```

# These are some basics to get you started!

Our first assignment is to going to be to write an artist statement that will appear on our website. Reference the examples on your syllabus and get started in class.

To make the content live on the website, it should be written in the “body” section of your code encompassed by a `<p></p>` tag.

Next we will get more into formatting and style and learn a little bit about CCS! Which helps us to design our HTML docs.