

PROGRAMMING FOR NON-PROGRAMMERS

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DAY 1

- THE VOCABULARY
- THE BASICS OF CODE

DAY 2

- HTML/CSS
- CREATE YOUR OWN WEBSITE

DAY 3

- NODE.JS
- DATABASES
- CREATE A BASIC WEB

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- Review the vocabulary and basics of code
- Setting up your environment
- Coding:
 - HTML
 - CSS

WHAT IS HTML?

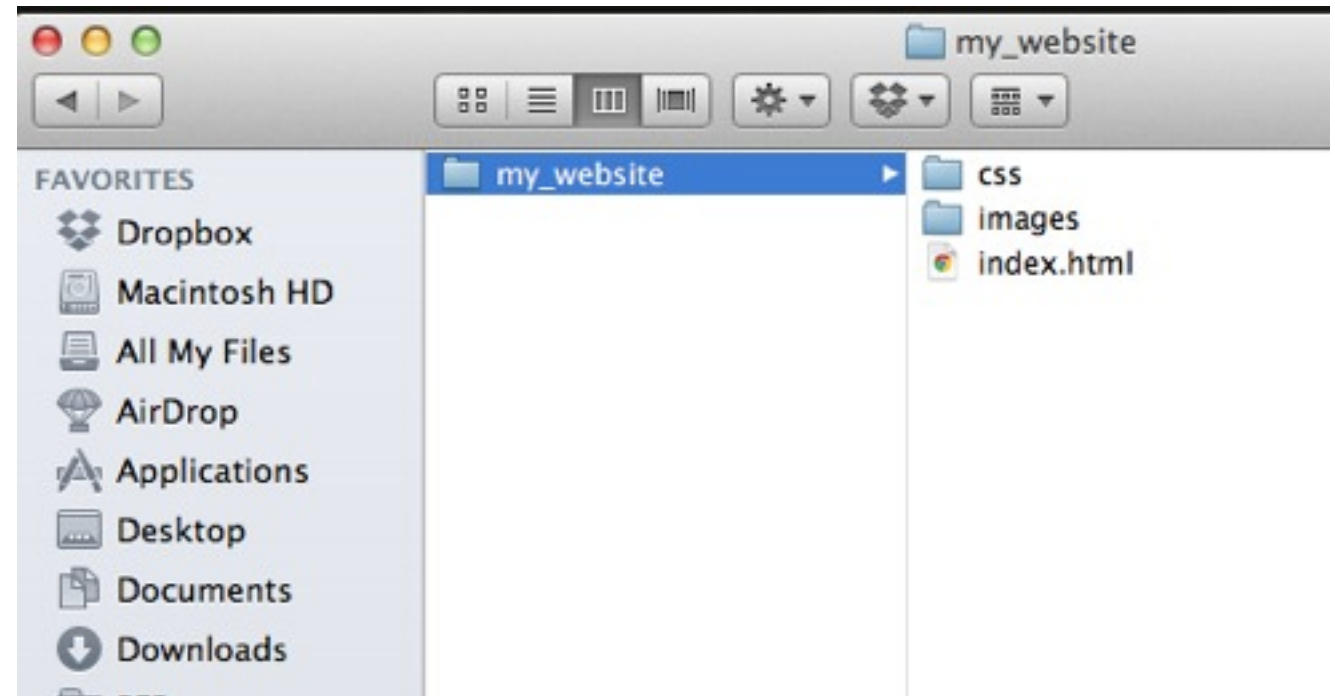
WHAT IS CSS?

SETTING UP YOUR ENVIRONMENT.

- Download/install Sublime Text
- Download/install Google Chrome (Browser)
- Download/install Cyberduck (FTP)

FILE STRUCTURE

- Create new folder called **web-dev**
- Create new folder called **my_website**
- Create **images** folder
- Create **css** folder



SYNTAX HIGHLIGHTING

In Sublime Text:

- Preferences -> Color Scheme -> **Monokai**
- View -> Syntax -> **HTML**

SHORTCUTS

Switch programs	Command Tab
Copy	Command C
Cut	Command X
Paste	Command V
Undo	Command Z
Quit application	Command Q

Browsers	
New Tab	Command Tab
Close Tab	Command W

HTML/CSS

LET'S START!

HTML

HYPertext MARKUP LANGUAGE

REMEMBER THIS?

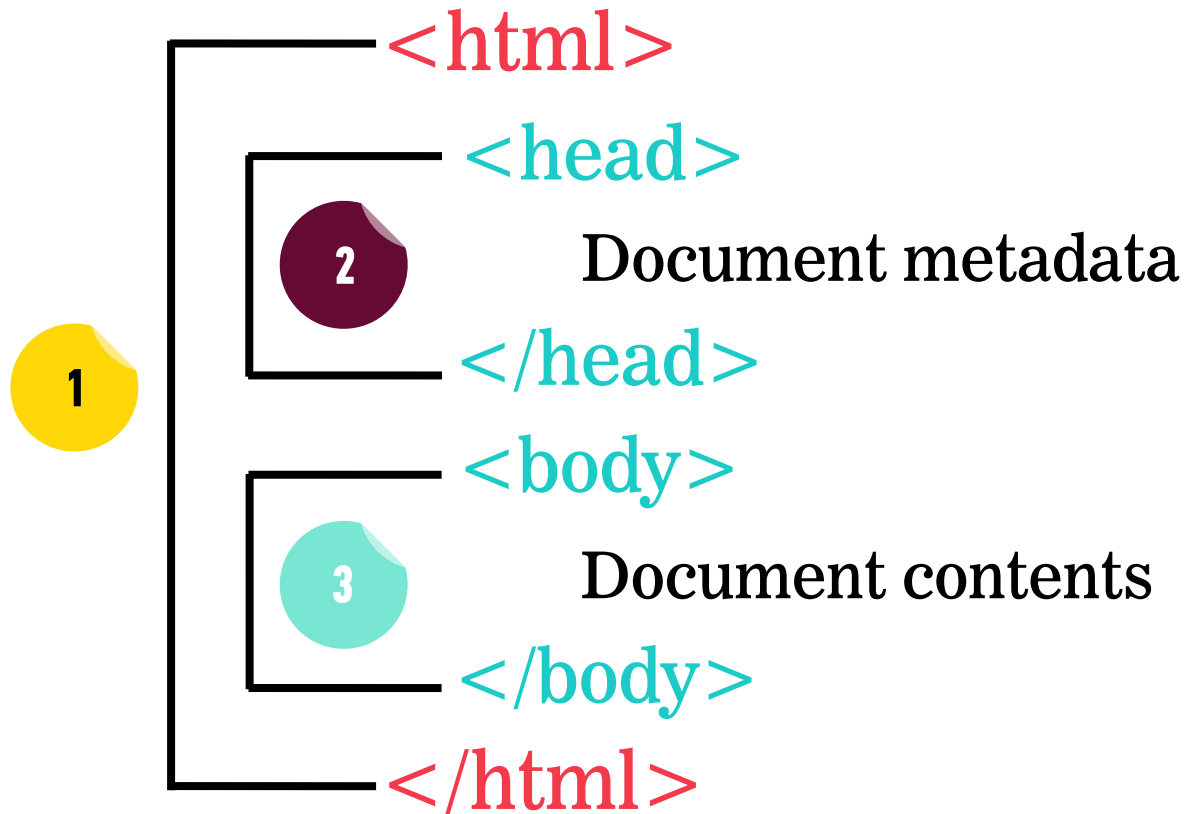
TAG



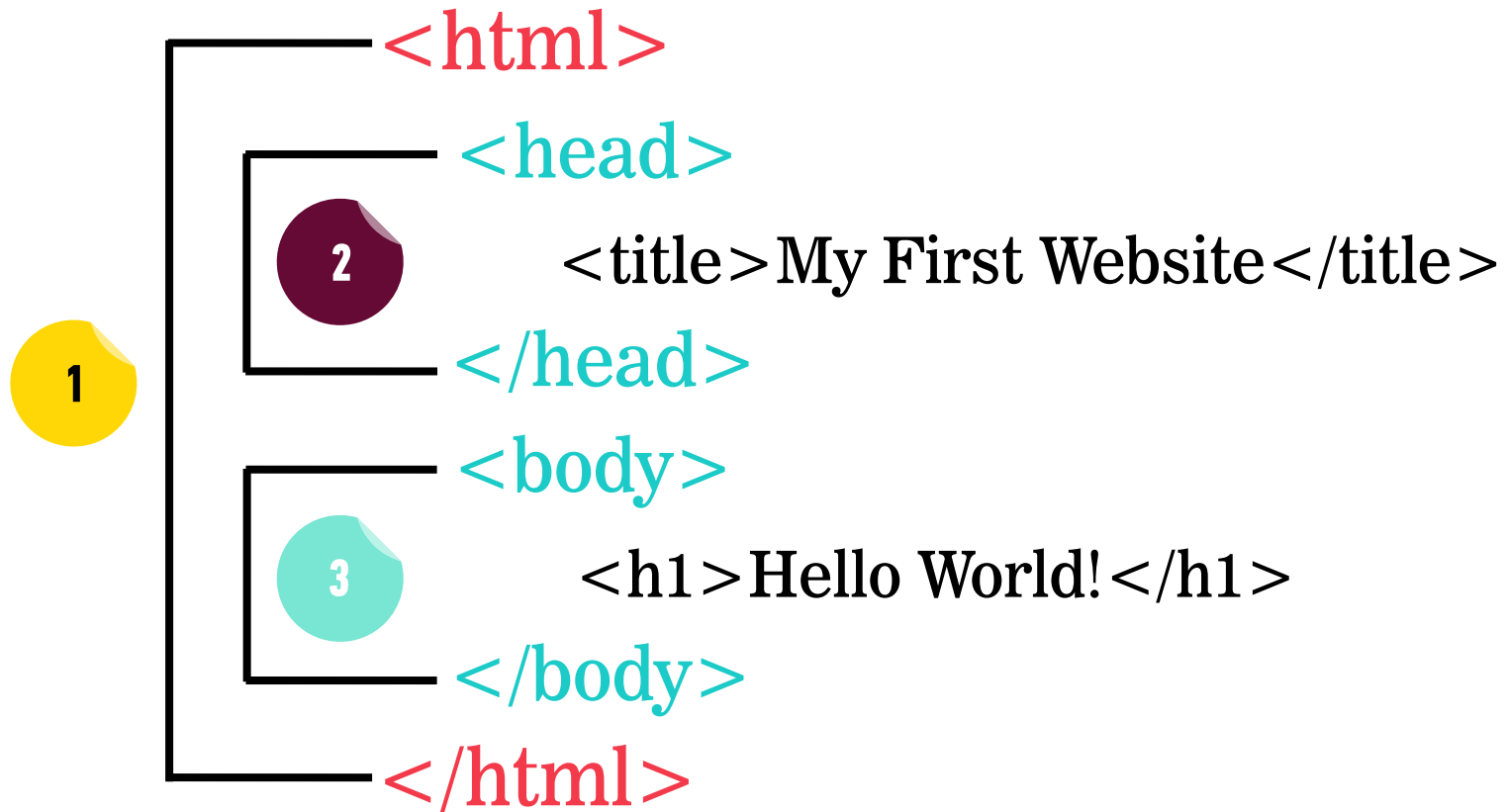
EX:

`<h1>Hello!</h1>`

BASIC DOCUMENT STRUCTURE



HELLO WORLD!



CONTENT TAGS

HEADINGS

`<h1>Most Important Heading</h1>`

`<h2>Second Most Important Heading</h2>`

`<h3> Third Most Important Heading</h3>`

`<h4> Fourth Most Important Heading</h4>`

`<h5> Fifth Most Important Heading</h5>`

`<h6>Least Important Heading</h6>`

CONTENT TAGS

TEXT ELEMENTS

`<p>This is a paragraph</p>`

`<hr/>` (horizontal rule)

`
` (line break)

CONTENT TAGS

FORMATTED TEXT ELEMENTS

`emphasized text (italics) `

`important text (bold) `

CONTENT TAGS

LIST ELEMENTS

ORDERED LIST

```
<ol>  
  <li>First item</li>  
  <li>Second item</li>  
</ol>
```

UNORDERED LIST

```
<ul>  
  <li>First item</li>  
  <li>Second item</li>  
</ul>
```

COMMENTING

I want to take this out
FOR NOW and see what
happens. I might put it
back in.

```
<!-- Link directly to google -->
```

```
<!-- <a href="http://google.com">Google</a> -->
```

I want to write a note to
myself and anyone else
reading this code so we know
what is going on in the code.

IMAGES

``

or

``

or

``



IMAGES

FILE EXTENSIONS

- jpg
- png
- tiff
- gif
- a url

LINKS

`Google`



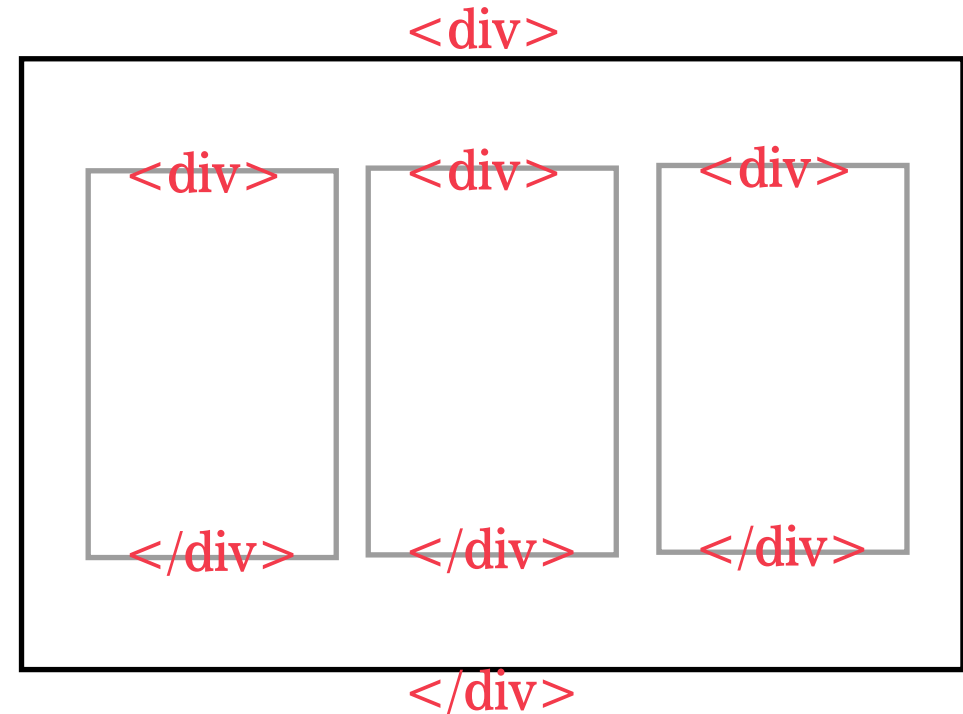
insert url here!



insert text you want to display that will be clickable

DIVS/SECTION

THEY CONTAIN THINGS
THEY HAVE **CLASSES** AND **IDS**



IDS & CLASSES

SEPARATION OF CONCERNS

- HTML = structure
- CSS = style

CSS

CASCADING STYLESHEETS

STYLE

HOW DO YOU LINK HTML TO CSS, YOU ASK?

```
<head>
```

```
...
```

```
<link rel="stylesheet" href="css/style.css">
```

```
....
```

```
</head>
```

SELECTORS

```
selector {  
  property: value;  
  property: value;  
}
```

```
body {  
  color: yellow;  
  background-color: black;  
}
```

SELECTORS

Types of Selectors

- element
- id (#)
- class (.)
- position in document

e.g. make all paragraphs elements
red

```
p{  
  color: red  
}
```

PROPERTIES

Types of properties

e.g.
color
background-color
font-family

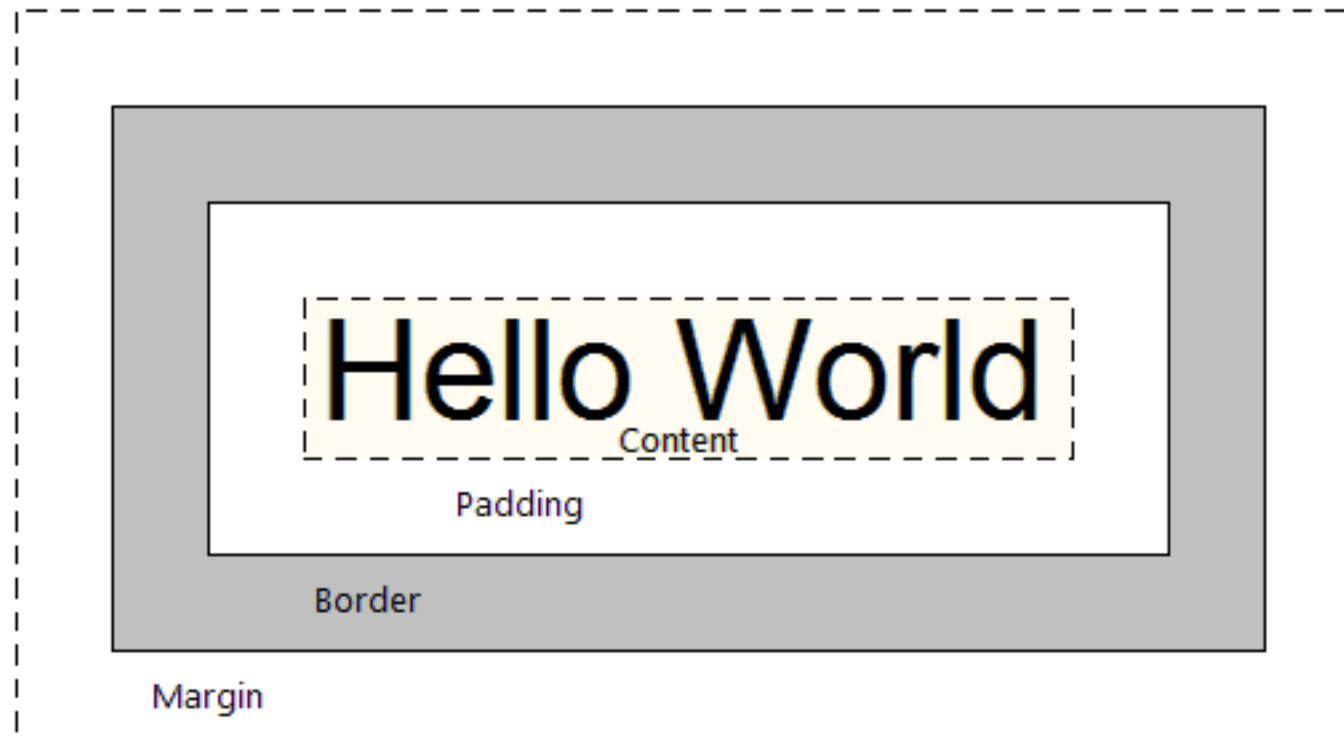
COLORS

- Name
 - red, yellow, green, blue, black, white, ...
- Hexadecimal
 - #FF0000
- Rgb (red, green, blue)
 - rgb(100, 0, 0)

FONTS

font-family
font-size
font-style
font-weight
color

BOX MODEL



CODE-ALONG

PORTFOLIO PAGE

