

# HTML CRASH COURSE FOR ABSOLUTE BEGINNERS





# *What is HTML?*

- **Hyper Text Markup Language**
  - **NOT** a programming language
  - Markup Language for creating webpages / documents
  - Building blocks of the Web
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# *What We Need To Start*

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- A Web Browser (*Pick One*)
  - Google Chrome
  - Mozilla Firefox
  - Safari
  - Edge
  - IE (Please Don't)
- A Text Editor (*Pick One*)
  - Sublime Text
  - Atom.io
  - Visual Studio Code
  - Brackets
  - Notepad++ (Windows)
  - TextMate (Mac)



# *Creating an HTML file*

- Does NOT need a server
- Files must end with the **.html** extension
- Runs in a web browser (Chrome, FireFox, etc)
- **index.html** is the root / home page of a website



# *Creating an HTML file*

- Does NOT need a server
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- **index.html** is the root / home page of a website

**<http://www.something.com>**

Loads the **index.html** file

**<http://www.something.com/about.html>**

Loads the **about.html** file

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# Tag Syntax

`<tagname>content</tagname>`

`<h1>About Us</h1>`

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

`<br />` (self closing)

`<br>` (Fine in HTML5)

- Element names surrounded by angle brackets
- Normally come in pairs (start tag and end tag)
- End tag is usually the same but with a forward slash
- Some tags close themselves (*Remnant of XHTML*)



# *HTML Page Structure*



```
<html>

  <head>

    <title>Page title</title>

  </head>

  <body>

    <h1>This is a heading</h1>

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

    <p>This is another paragraph.</p>

  </body>

</html>
```



# *Page Structure (HTML)*

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    <h1>My First Heading</h1>
    <p>My first paragraph.</p>
  </body>
</html>
```



# Doctype

- Explains what type of document the page is
- HTML4, HTML5, XHTML, etc

## HTML5

```
<!DOCTYPE html>
```



## HTML4.01 Strict

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
```

## XHTML 1.0 Strict

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



# *Inline .vs Block Level Elements*

## **Inline Elements:**

- Do not start on a new line
- Take only the necessary width

## **Block Elements:**

- Start on a new line
- Take full width available

**Block Level:** <div>, <h1> - <h6>, <p>, <form>

**Inline Level:** <span>, <img>, <a>





# Tag Attributes

`<tagname`

`attributename="attributevalue">content</tagname>`

`<h1 title="My Company" >About Us</h1>`

- All tags can have attributes
- Provide information about an element
- Placed within the start tag
- Key/value pairs (id="someId")



# *HTML5 Semantic Tags*

A semantic element clearly describes its meaning to both the browser and the developer.

```
<header></header>  
<footer></footer>  
<aside></aside>  
<main></main>  
<article></article>  
<nav></nav>  
<section></section>  
<details></details>
```



# CSS CRASH COURSE FOR ABSOLUTE BEGINNERS





# *What is CSS?*

- **Cascading Stylesheets**
  - **NOT** a programming language
  - Stylesheet/Styling language
  - Used for website layout and design
  - Can be extended with Sass/Less
-

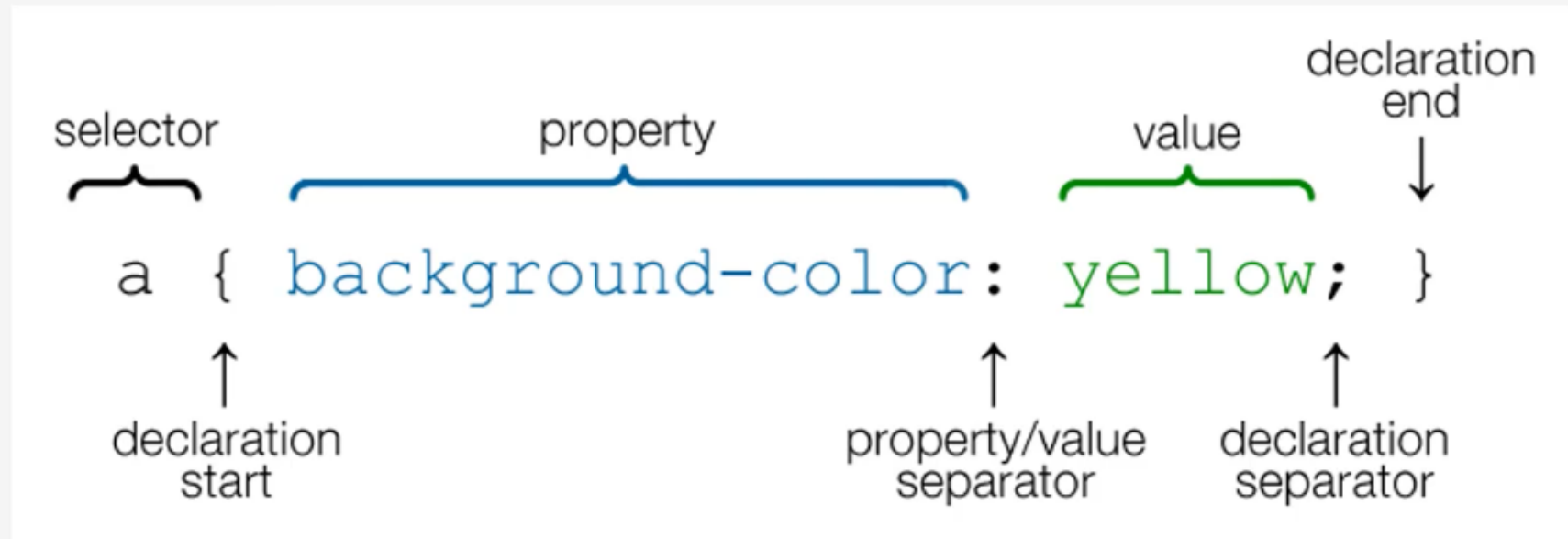


# *3 Methods For Adding CSS*

- **Inline CSS:** Directly in the html element (NO!)
- **Internal CSS:** Using <style> tags within a single document
- **External CSS:** Linking an external .css file



# CSS Selectors





# Colors In CSS

```
body {  
  color: red;  
  background: coral  
}  
  
h1 {  
  color: #00ff00;  
}  
  
p {  
  color: rgb(0,0,255);  
}
```

- Color Names
- HTML5 Color names
- Hexadecimal
- RGB

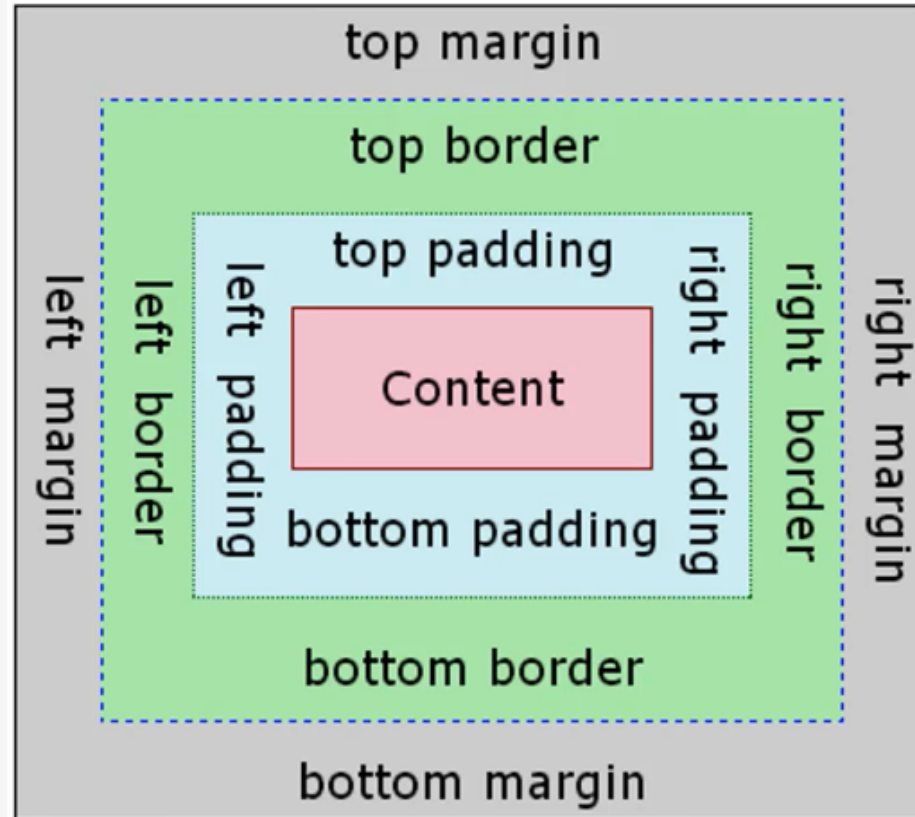


# Web Safe Fonts



Examples	Font Families
font-family	Arial, Helvetica, sans-serif
font-family	"Arial Black", Gadget, sans-serif
font-family	"Bookman Old Style", serif
font-family	"Comic Sans MS", cursive, sans-serif
font-family	Courier, monospace
font-family	"Courier New", Courier, monospace
font-family	Garamond, serif
font-family	Georgia, serif
font-family	Impact, Charcoal, sans-serif
font-family	"Lucida Console", Monaco, monospace
font-family	"Lucida Sans Unicode", "Lucida Grande", sans-serif
font-family	"MS Sans Serif", Geneva, sans-serif
font-family	"MS Serif", "New York", sans-serif
font-family	"Palatino Linotype", "Book Antiqua", Palatino, serif
φοντ-φαμιλψ	Σψμβολ, σανς-σεριφ
font-family	Tahoma, Geneva, sans-serif
font-family	"Times New Roman", Times, serif
font-family	"Trebuchet MS", Helvetica, sans-serif
font-family	Verdana, Geneva, sans-serif

# *Box Model*



# *Margin & Padding Shorthand*



```
p {  
    margin-top: 5px;  
    margin-bottom: 5px;  
    margin-right: 10px;  
    margin-left: 10px;  
}
```

```
p {  
    margin: 5px 10px 5px 10px;  
}  
  
p {  
    margin: 5px 10px;  
}
```