



Introduction to HTML

HTML

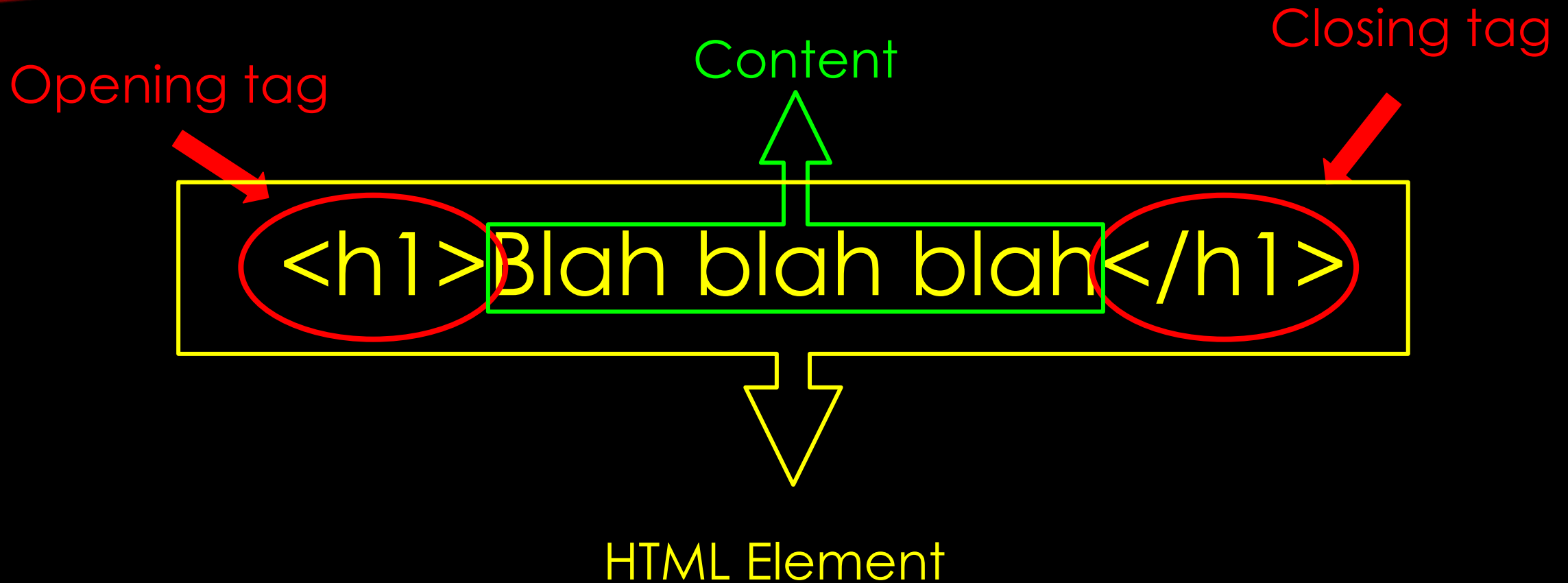
HTML - “Hypertext Markup Language”

HTML contains the content of a website.

Web browsers read and interpret HTML code and turn it into web pages. We use Google Chrome.

We create and edit HTML files using a text editor. This class will use Sublime.

Standard HTML Syntax



Standard HTML Syntax

Opening tag



`<h1>Blah blah blah</h1>`

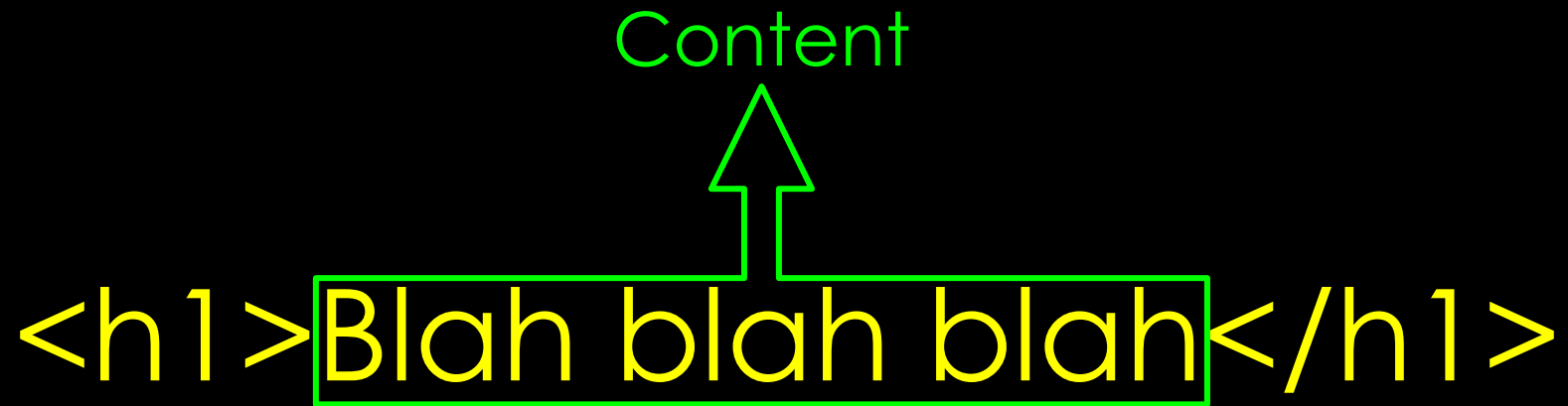
Closing tag



Almost all HTML elements need to have both opening and closing tags. We will learn about self-closing tags later.

Standard HTML Syntax

Content



```
<h1>Blah blah blah</h1>
```

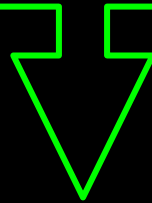
The diagram illustrates the structure of an HTML element. The text "Content" is written in green above the code. A green arrow points from the word "Content" down to a green rectangular box that encloses the text "Blah blah blah" within the HTML tag. The entire HTML tag, including the opening and closing tags, is shown in yellow.

The content is what will actually be seen on your webpage. The type of element tells the browser how to make it look, what size it is, which font, etc.

Standard HTML Syntax

The entire line of code, including the tags is an HTML element. This is an h1 element.

```
<h1>Blah blah blah</h1>
```



HTML Element

Standard HTML Syntax

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Website Title</title>
```

```
  </head>
```

```
  <body>
```

(What you see in a website is everything between the opening and closing body tags)

```
  </body>
```

```
</html>
```

Task

1. Open Sublime Text Editor and type out the standard HTML syntax that you just copied into your notebook.
2. Between the body tags, create an h1 element with your first and last name as the content.
3. Below the h1 element, create a p element with a few sentences about yourself (from the DO NOW)
4. Save your file with Command + S and name the file aboutMe.html
5. Make sure you save it in your personal folder.

Do Now

1. Get your notes out and opened to yesterday's notes
2. Locate your aboutMe.html file, right-click it and select "Open with Sublime"
3. Locate your about me.docx file. Double click it to open it in Microsoft Word.



4:00

Headings and Paragraphs

Headings - larger text for titles, headlines, etc.

Range from h1 to h6, largest to smallest

ex: `<h2>This is the second-largest heading</h2>`

Paragraphs - default-sized text.

ex: `<p>This is paragraph text</p>`

Two Types of HTML Lists

Ordered List - list of items with a numbered order

ex:

```
<ol>  
  <li>breakfast</li>  
  <li>lunch</li>  
  <li>dinner</li>  
</ol>
```

1. breakfast
2. lunch
3. dinner

Two Types of HTML Lists

Unordered List - list of items with bullet points

ex:

```
<ul>  
  <li>football</li>  
  <li>basketball</li>  
  <li>baseball</li>  
</ul>
```

- football
- basketball
- baseball

Links and Anchor Elements

Hyperlink - a link from one HTML file to another

More practical definition - a link from one website to another website

Hyperlinks are created in HTML with **anchor elements**

Links and Anchor Elements

```
<a href="https://www.youtube.com/">Click me!</a>
```

href attribute is where the link will take you

Everything between the opening and closing tags will be visible and clickable

Task

1. Write the HTML code to create a web page that holds the same information as your Word document
 - a. Your name, large at the top
 - b. a few sentences about you in paragraph-sized text
 - c. A numbered list of your top 5 favorite movies/TV
 - d. A hyperlink to your favorite website



6:00

Do Now

1. Get your notes out and opened to yesterday's notes
2. Locate your aboutMe.html file, right-click it and select "Open with Sublime"
3. Open Google Chrome and go to bit.ly/8-24-17 and watch the video. USE HEADPHONES!

URL

URL - “Uniform Resource Locator” and often called a “web address”

Example 1: <http://www.youtube.com>

Example 2: <http://keithleyslhs.weebly.com>

Images

Every image on the web has its own URL

Images can be added to webpages in HTML using the `img` tag

Images

```

```

The img tag is self-closing, we DO NOT use a

6:00

Do Now

1. Get your notes out and opened to yesterday's notes
2. Add the heading for the next section to your notes →
Tables
3. Locate your aboutMe.html file, right-click it and select
"Open with Sublime"

Tables

HTML tables - organized by **table rows**, **table headings**, and **table data**

th

Name	Age	Color
Jimbo	16	Blue
Billy	17	Red

tr

td

Tables

```
<table border="1">
  <tr>
    <th>Name</th>
    <th>Age</th>
    <th>Color</th>
  </tr>
  <tr>
    <td>Jimbo</td>
    <td>16</td>
    <td>Blue</td>
  </tr>
  <tr>
    <td>Billy</td>
    <td>17</td>
    <td>Red</td>
  </tr>
</table>
```

Name	Age	Color
Jimbo	16	Blue
Billy	17	Red

Activity

- 1) Go to keithleyslhs.weebly.com, click on the “Intro” page, and scroll down to download the table.html file.
- 2) Copy and paste the code into your aboutMe.html file. Edit the code to create a table that displays your class schedule this year. In the end, it should look like this:

Period	Course	Teacher	Room Number
1	Intro to Computer Science	Keithley	236
2	Adv. Algebra/Trig	Shakeshaft	254
3	Chemistry	Rea	241
4	English 3	Smith	124
5	Auto Shop	Shyers	508
6	AP US History	Johnson	109