



<html>



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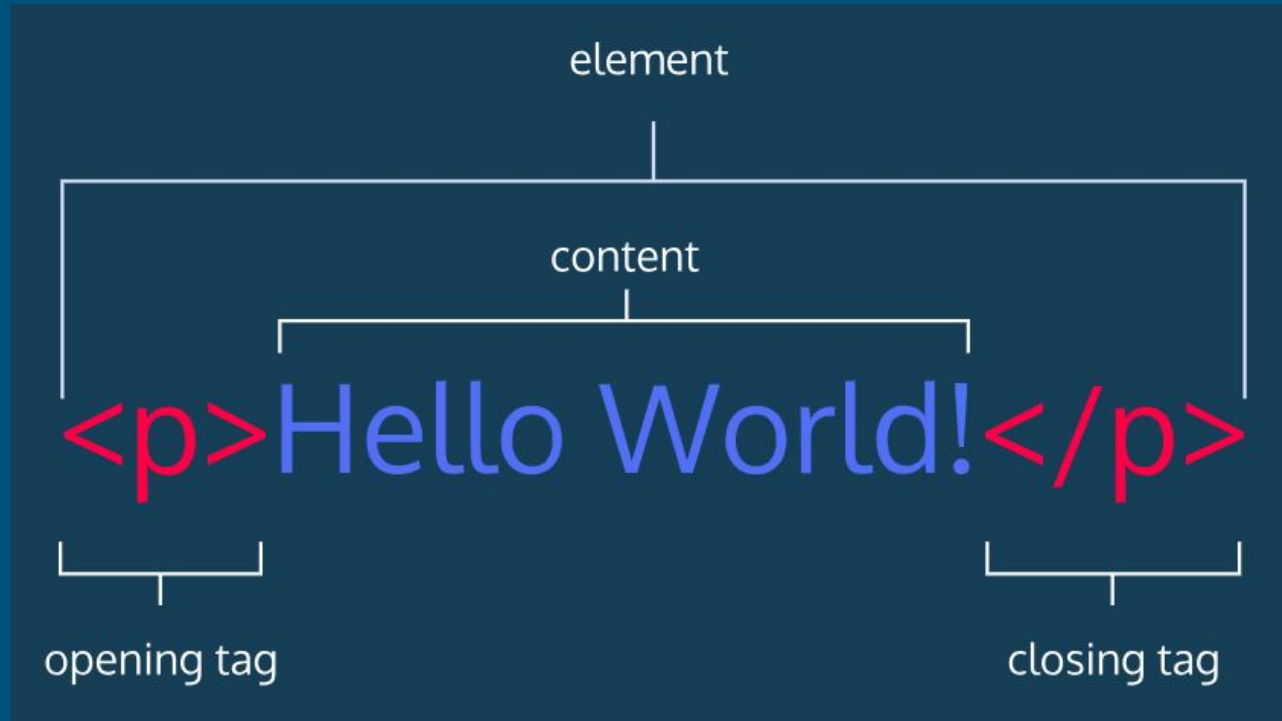
What is HTML?

- **HyperText Markup Language**
 - Created around 1990 by Tim Berners-Lee, a British physicist
 - World Wide Web Consortium (W3C)
- **Presents your webpage in a structured and formatted manner**
 - Uses tags for webpage content
 - Identifies pieces of a document so others can do something with those pieces
 - A text-formatting language (NOT a programming language)
 - HTML5
 - CSS/Javascript

Why you should learn HTML

- Blog Post/Email/Landing Page quick fixes/template changes
- CMS fixes
- Make content easily consumable
- Writing documentation
- Customization (vs WordPress, Wix, etc.)
- Universally known

HTML Anatomy



Declaring a Document

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
  </head>
```

```
  <body>
```

To create HTML structure and content, you must add opening and closing tags. Anything between these will be interpreted as HTML.

```
  </body>
```

```
</html>
```

Common Tags

- `<head>`
- `<title>`
- `<body>`
- `<p>`
- `<h1>`
- `<div>`
- ``
- ``
- ``

Common Tags

- `
`
- ``
- ``
- ``
- `<nav>`
- For full list:
 - <https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

<h1>

The following code shows all the heading levels, in use.

```
1 <h1>Heading level 1</h1>
2 <h2>Heading level 2</h2>
3 <h3>Heading level 3</h3>
4 <h4>Heading level 4</h4>
5 <h5>Heading level 5</h5>
6 <h6>Heading level 6</h6>
```

Here is the result of this code:

Heading level 1

Heading level 2

Heading level 3

Heading level 4

Heading level 5

Heading level 6

<p> and

HTML

CSS

```
1 <p>Get out of bed <em>now</em>!</p>
2 <p>We <em>had</em> to do something
  about it.</p>
3 <p>This is <em>not</em> a drill!<p>
4 |
```

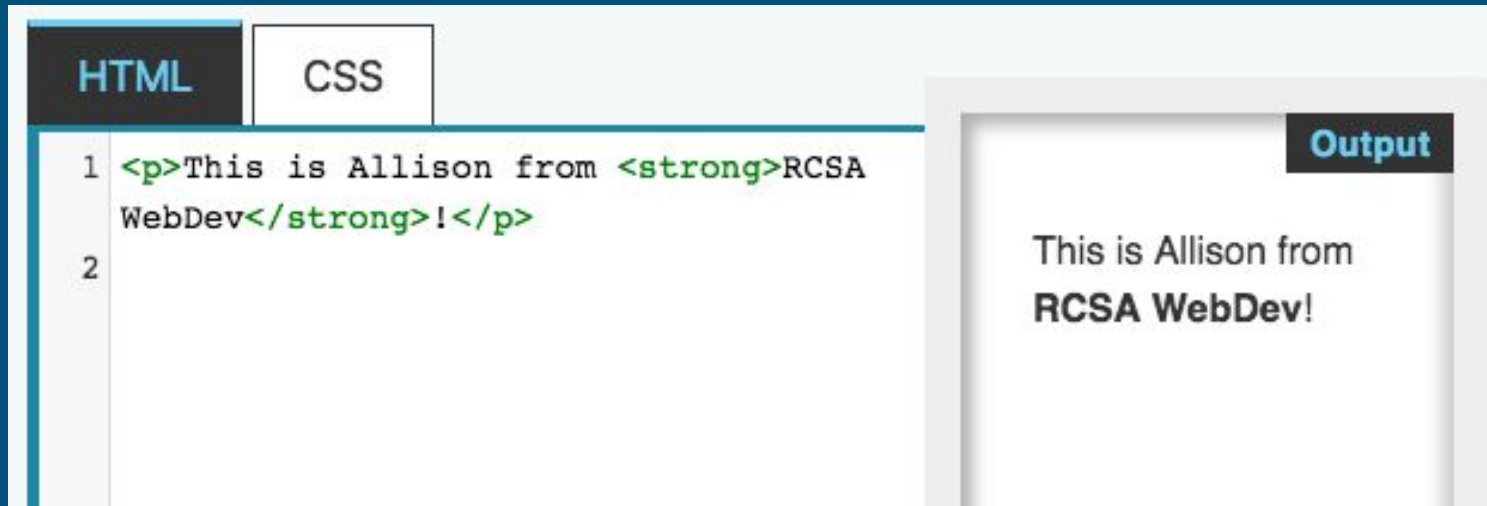
Output

Get out of bed *now*!

We *had* to do something about it.

This is *not* a drill!

<p> and



The image shows a web development editor interface. On the left, there are two tabs: 'HTML' (selected) and 'CSS'. The HTML tab contains the following code:

```
1 <p>This is Allison from <strong>RCSA  
WebDev</strong>!</p>  
2
```

On the right, there is a preview window titled 'Output' showing the rendered result of the HTML code:

This is Allison from
RCSA WebDev!

HTML

CSS

```
1 <p> O'er all the hilltops<br>
2   Is quiet now,<br>
3   In all the treetops<br>
4   Hearest thou<br>
5   Hardly a breath;<br>
6   The birds are asleep in the trees:<br>
7   Wait, soon like these<br>
8   Thou too shalt rest.
9 </p>
10
```

Output

O'er all the hilltops
Is quiet now,
In all the treetops
Hearest thou
Hardly a breath;
The birds are asleep in the trees:
Wait, soon like these
Thou too shalt rest.

 and

HTML

CSS

```
1 <ul>
2   <li>Milk</li>
3   <li>Cheese
4     <ul>
5       <li>Blue cheese</li>
6       <li>Feta</li>
7     </ul>
8   </li>
9 </ul>
10
```

Output

- Milk
- Cheese
 - Blue cheese
 - Feta

Rules About Opening/Closing Tags

- Most tags must be opened and closed
 - HTML files start with `<html>` and `</html>` usually
- Tag must start with `<#Type of tag>`
- Tags usually must end with `</#Type of tag>`
- Don't forget to specify where the text must occur
 - If in body, specify `<body>` and `</body>`
 - If break, specify `
`



HTML Demo:

[Reset](#)**HTML**

CSS

```
1 <p> Wow webdev is so cool<br>
2   This is how you do a break!<br>
3   Hope you're liking this presentation so far!<br>
4 </p>
5
6 <p> This is a new paragraph </p>
7
```

Output

Wow webdev is so cool
This is how you do a break!
Hope you're liking this
presentation so far!

This is a new paragraph

Image Styling

- Insert image using
- Height
- Width
- Alt
- Border

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```



```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```




```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```



```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```



<Div> tags

- Acts like a container
- Usually used for block of code
- Helps divide document into section
- Often used in conjunction with CSS

HTML

CSS

```
1 <blockquote>
2   <p>This is a cool pic of a leopard! The class below
   only waorks because of the corresponding CSS file.</p>
3   <div class="warning">
4     
5     <p>Beware of the leopard</p>
6   </div>
7 </blockquote>
```

Output

This is a cool pic of a leopard! The class below only waorks because of the corresponding CSS file.



BEWARE OF THE LEOPARD

- Also acts a container for styling purposes
- Difference from <div>
 - Span is an inline element
 - Alters within the same line
 - Div is a block-line element
 - Separates into a separate block
 - Usually for larger chunks of code

HTML

CSS

```
1 This is the <span class="ingredient">last</span>, <span  
  class="ingredient">slide</span> and <span  
  class="ingredient">to our presentation!</span>  
2   <br>  
3   <br>  
4   <span class="ingredient">Hope you enjoyed it!</span>  
5  
6
```

Output

This is the last, slide and to our
presentation!

Hope you enjoyed it!