

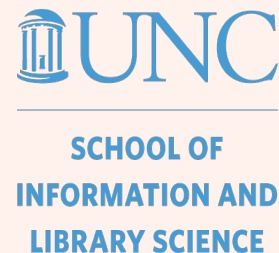


/WEB DEV 101

Pearl Hacks 2023

/ABOUT me

- Hafsah
- she/her/hers
- Computer Science, Information Science (UNC '22)
- Technology Architect Analyst at Accenture



/WORKSHOP Materials

[CLICK HERE](#)





main ▾

web-dev-101 / HTML / HTML-00.html

Go to file



hafsah-t Update HTML-00.html

Latest commit 37fc97f 2 weeks ago

History

1 contributor

18 lines (10 sloc)

182 Bytes

Raw

Blame



```
1  <!DOCTYPE html>
2
3  <html>
4
5    <head>
6
7      <title>Page Title</title>
8
9    </head>
10
11   <body>
12
13     <h1>This is a Heading</h1>
14     <p>This is a paragraph.</p>
15
16   </body>
17
18 </html>
```



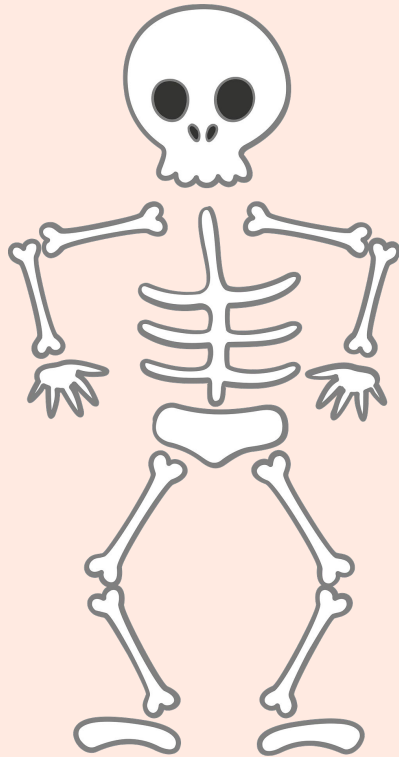
/Intro

/WHAT IS WEB DEVELOPMENT?

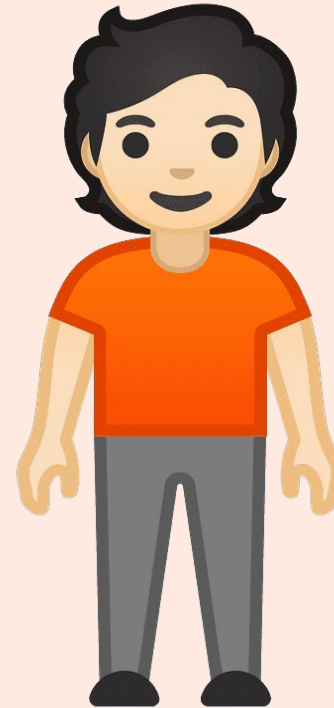
- Creating, building, and maintaining websites

HTML	CSS	JavaScript
Standard language for creating web pages	Setting the layout of your web page (colors, fonts, etc.)	Creating dynamic and interactive web pages

/WHAT IS WEB DEVELOPMENT?



HTML



CSS



/HTML

/HTML Intro

Hyper Text Markup Language

- Used to create **WEB PAGES**
- Describes the **STRUCTURE** of a web page
- Consists of **ELEMENTS**

/HTML ELEMENTS

<tag>CONTENT</tag>

<h1>CONTENT</h1>

<p>CONTENT</p>

<a>CONTENT

CONTENT

```
<h1>This is a Heading</h1>  
<p>This is a paragraph.</p>
```

↑
start tag

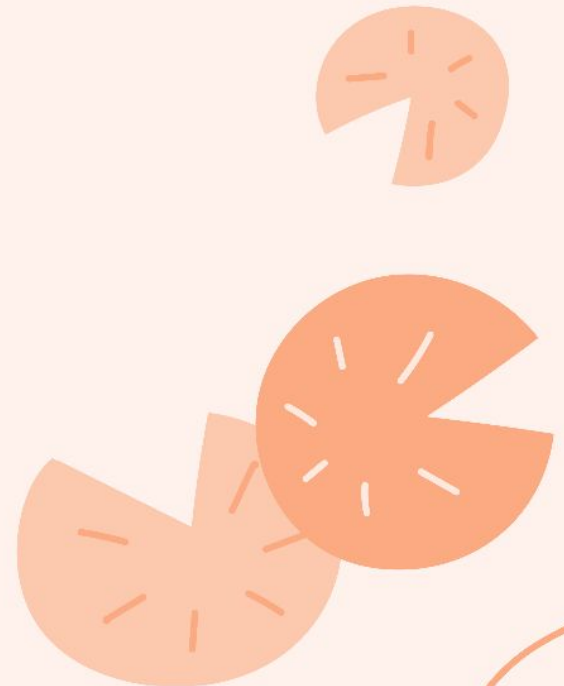
↑
end tag

/HTML EMPTY ELEMENTS

``

`
`

`<col>`



/HTML ATTRIBUTES

- Provide additional info about elements
- Specified in the **START TAG**
- Name value pairs: **name="value"**

/EXAMPLE

```
<a href="https://pearlhacks.com/">Visit Pearl Hacks</a>
```

Tag	<a>
Content	Visit Pearl Hacks
Attribute	Name: href Value: "https://pearlhacks.com/" href="https://pearlhacks.com/"

[Visit Pearl Hacks](https://pearlhacks.com/)

```
<html>

  <head>

    <title>Page Title</title>

  </head>

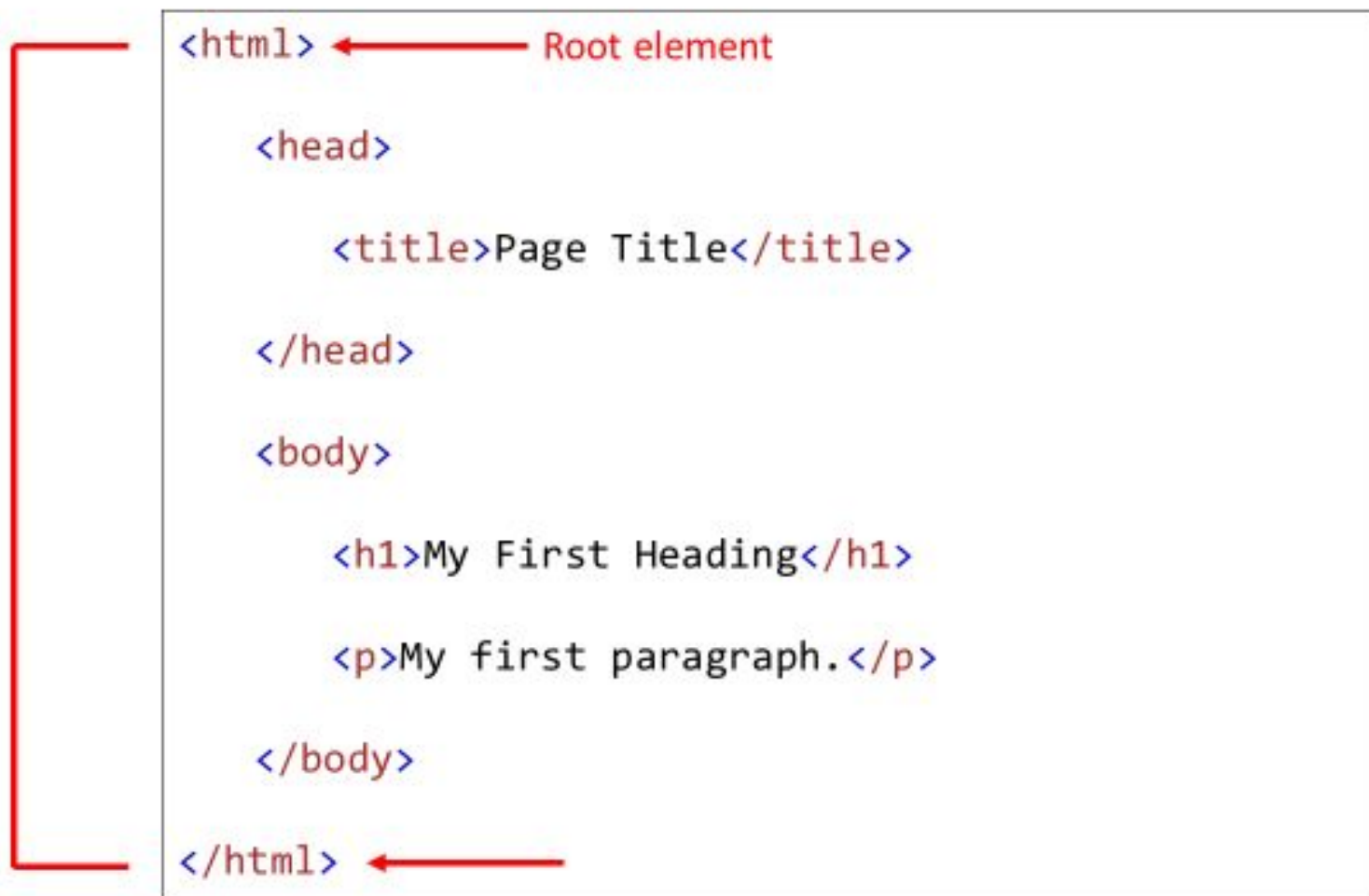
  <body>

    <h1>My First Heading</h1>

    <p>My first paragraph.</p>

  </body>

</html>
```



The diagram illustrates the structure of an HTML document. A red line on the left side connects the opening `<html>` tag at the top to the closing `</html>` tag at the bottom, indicating that the entire content between them is the root element. A red arrow points from the text "Root element" to the opening `<html>` tag.

```
<html> ← Root element  
  <head>  
    <title>Page Title</title>  
  </head>  
  <body>  
    <h1>My First Heading</h1>  
    <p>My first paragraph.</p>  
  </body>  
</html> ←
```

```
<html>
```

```
<head> ← Meta info about HTML page
```

```
<title>Page Title</title>
```

```
</head>
```

```
<body>
```

```
<h1>My First Heading</h1>
```

```
<p>My first paragraph.</p>
```

```
</body>
```

```
</html>
```



```
<html>
```

```
  <head>
```

```
    <title>Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    <h1>My First Heading</h1>
```

```
    <p>My first paragraph.</p>
```

```
  </body>
```

```
</html>
```

Title for the page
(browser's title
bar or in page's
tab)

```
<html>

  <head>

    <title>Page Title</title>

  </head>

  <body> ← Container for visible content

    <h1>My First Heading</h1>

    <p>My first paragraph.</p>

  </body> ←

</html>
```

```
<html>

  <head>

    <title>Page Title</title>

  </head>

  <body>

    <h1>My First Heading</h1>

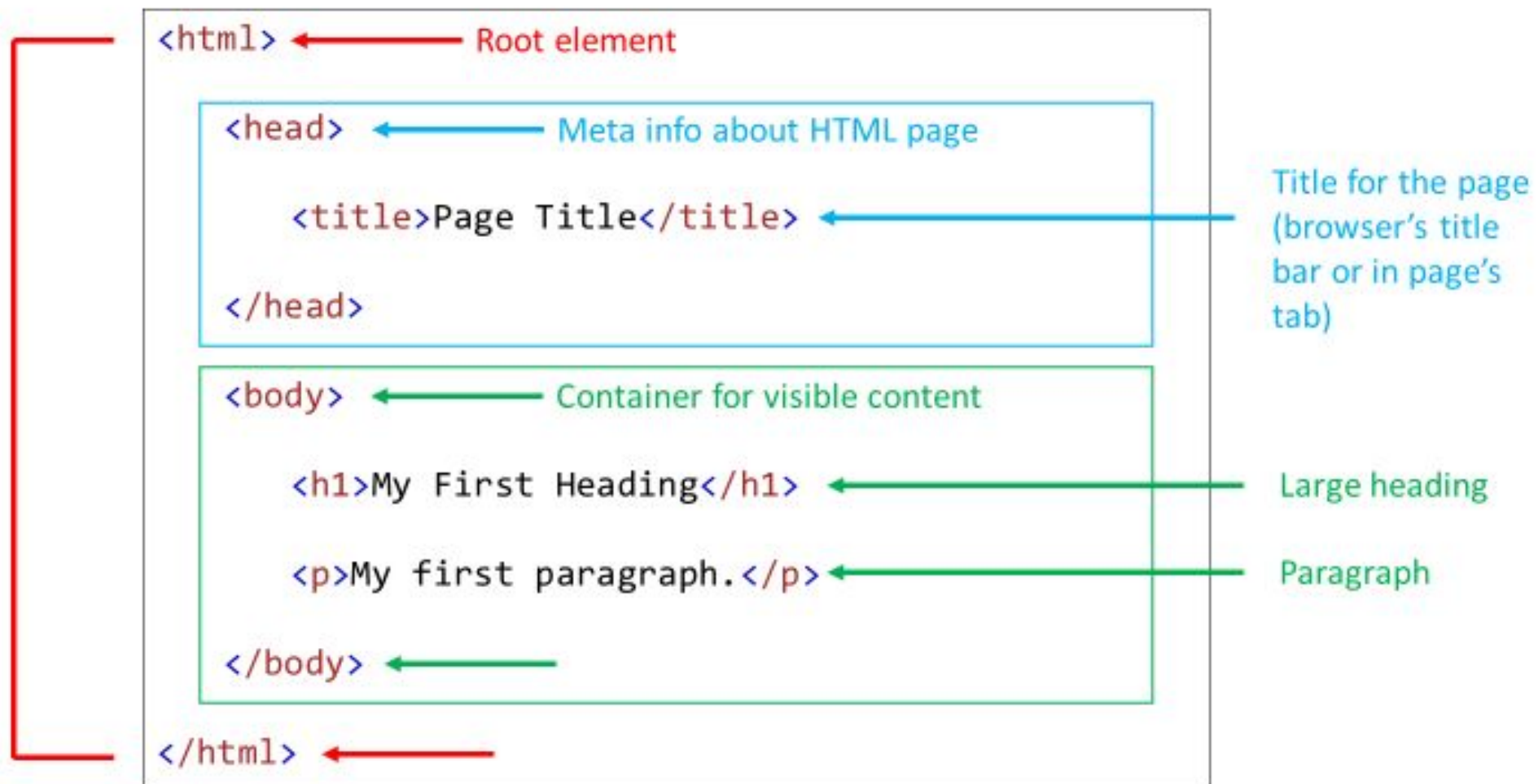
    <p>My first paragraph.</p>

  </body>

</html>
```

Large heading

Paragraph



/HTML EDITOR

1. Starter Code: [CLICK HERE](#)
2. Online Editor: [CLICK HERE](#)
3. ****Copy lines 1-18 into editor****

/W3 EDITOR



Run >

Result Size: 640 x 459

Get your own website

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    <h1>This is a Heading</h1>
    <p>This is a paragraph.</p>
  </body>
</html>
```

This is a Heading

This is a paragraph.

/Headings

```
<h1>Heading 1</h1>
```

```
<h2>Heading 2</h2>
```

```
<h3>Heading 3</h3>
```

```
<h4>Heading 4</h4>
```

```
<h5>Heading 5</h5>
```

```
<h6>Heading 6</h6>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

```
<html>

<head>
  <title>Page Title</title>
</head>

<body>

  <h1>Hafsah Tajammal</h1>

  <h2>About Me:</h2>

  <p></p>

  <h3> Academics:</h3>
  <h3> Clubs/Extracurriculars:</h3>
  <h3> Interests:</h3>

</body>

</html>
```

Hafsah Tajammal

About Me:

Academics:

Clubs/Extracurriculars:

Interests:

/Paragraphs

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

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

```
<html>

<head>
  <title>Page Title</title>
</head>

<body>

  <h1>Hafsah Tajammal</h1>

  <h2>About Me:</h2>

  <p>I'm Hafsah! I graduated from UNC as a computer science
and information science double major and currently work at
Accenture. I have two cats, love nature, and enjoy playing
video games. <br><br> I am attending Pearl Hacks because I
want to show others how learning web development can be both
fun and a useful professional skill to have!</p>

  <h3> Academics:</h3>
  <h3> Clubs/Extracurriculars:</h3>
  <h3> Interests:</h3>
```

Hafsah Tajammal

About Me:

I'm Hafsah! I graduated from UNC as a computer science and information science double major and currently work at Accenture. I have two cats, love nature, and enjoy playing video games.

I am attending Pearl Hacks because I want to show others how learning web development can be both fun and a useful professional skill to have!

Academics:

Clubs/Extracurriculars:


Interests:

/LINKS

```
<a href="url">link text</a>
```

```
<a href="https://pearlhacks.com/">Visit Pearl Hacks!</a>
```

```
<a href="https://pearlhacks.com/" target="_blank">Visit Pearl Hacks!</a>
```

- 
- `_self` - Default. Opens the document in the same window/tab as it was clicked
 - `_blank` - Opens the document in a new window or tab
 - `_parent` - Opens the document in the parent frame
 - `_top` - Opens the document in the full body of the window

```
<h1>Hafsah Tajammal</h1>
```

```
<h2>About Me:</h2>
```

```
<p>I'm Hafsah! I graduated from UNC as a computer science and  
information science double major and currently work at Accenture. I  
have two cats, love nature, and enjoy playing video games. <br><br>  
I am attending Pearl Hacks because I want to show others how learning  
web development can be both fun and a useful professional skill to  
have!</p>
```

```
<h3> Academics:</h3>
```

```
<a href="https://sils.unc.edu/" target="_blank">My major!</a>
```

```
<h3> Clubs/Extracurriculars:</h3>
```

```
<h3> Interests:</h3>
```

```
</body>
```

```
</html>
```

Hafsah Tajammal

About Me:

I'm Hafsah! I graduated from UNC as a computer science and information science double major and currently work at Accenture. I have two cats, love nature, and enjoy playing video games.

I am attending Pearl Hacks because I want to show others how learning web development can be both fun and a useful professional skill to have!

Academics:

[My major!](https://sils.unc.edu/)

Clubs/Extracurriculars:

Interests:

Sample Link: <https://sils.unc.edu>

/LISTS

Ordered	Unordered
Starts with: 	Starts with:
List item: 	List item:

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

```

<html>

<head>
  <title>Page Title</title>
</head>

<body>

  <h1>Hafsah Tajammal</h1>

  <h2>About Me:</h2>

  <p>I'm Hafsah! I graduated from UNC as a computer science and
information science double major and currently work at Accenture. I have two
cats, love nature, and enjoy playing video games. <br><br> I am attending
Pearl Hacks because I want to show others how learning web development can
be both fun and a useful professional skill to have!</p>

  <h3> Academics:</h3>

  <a href="https://sils.unc.edu/" target="_blank">My major!</a>

  <h3> Clubs/Extracurriculars:</h3>

  <ul>
    <li>SILS Personnel Committee</li>
    <li>Ally Financial Tech Labs Intern</li>
    <li>WakeMed Guest Ambassador</li>
  </ul>

```

Hafsah Tajammal

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Academics:

[My major!](https://sils.unc.edu/)

Clubs/Extracurriculars:

- SILS Personnel Committee
- Ally Financial Tech Labs Intern
- WakeMed Guest Ambassador

Interests:

/Images

- ``
- 2 REQUIRED attributes:
 - ***src***: specifies path to image
 - ***alt***: specifies alternative text

```

```

```

```

/Images cont.

- **src**="<https://images-assets.nasa.gov/image/PIA03654/PIA03654~orig.jpg>"
- **alt**="A Cauldron of Stars"


```
<ul>  
  <li>SILS Personnel Committee</li>  
  <li>Ally Financial Tech Labs Intern</li>  
  <li>WakeMed Guest Ambassador</li>  
</ul>
```

```
<h3>Interests:</h3>
```

```

```

Interests:



/Images cont.

Alternatively, you can use the `width` and `height` attributes:

Example

```

```

/Images cont.

- **src**=“<https://images-assets.nasa.gov/image/PIA03654/PIA03654~orig.jpg>”
- **alt**=“A Cauldron of Stars”
- **width**=“300”
- **height**=“200”

```
<p>I'm Hafsa! I graduated from UNC as a computer science and information science double major and currently work at Accenture.  
I have two cats, love nature, and enjoy playing video games. <br><br>  
I am attending Pearl Hacks because I want to show others how learning web development can be both fun and a useful professional skill to have!</p>
```

```
<h3>Academics:</h3>
```

```
<a href="https://sil.unc.edu/" target="_blank">My major!</a>
```

```
<h3>Clubs/Extracurriculars:</h3>
```

```
<ul>  
  <li>SILS Personnel Committee</li>  
  <li>Ally Financial Tech Labs Intern</li>  
  <li>WakeMed Guest Ambassador</li>  
</ul>
```

```
<h3>Interests:</h3>
```

```

```

```
</body>
```

```
</html>
```

I am attending Pearl Hacks because I want to show others how learning web development can be both fun and a useful professional skill to have!

Academics:

[My major!](https://sil.unc.edu/)

Clubs/Extracurriculars:

- SILS Personnel Committee
- Ally Financial Tech Labs Intern
- WakeMed Guest Ambassador

Interests:



/END RESULT

```
<!DOCTYPE html>
<html>

  <head>
    <title>Page Title</title>
  </head>

  <body>

    <h1>Hafsah Tajammal</h1>

    <h2>About Me:</h2>

    <p>I'm Hafsah! I graduated from UNC as a computer science and information
      science double major and currently work at Accenture.
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      I am attending Pearl Hacks because I want to show others how learning
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    <h3>Academics:</h3>

    <a href="https://sils.unc.edu/" target="_blank">My major!</a>

    <h3>Clubs/Extracurriculars:</h3>

    <ul>
      <li>SILS Personnel Committee</li>
      <li>Ally Financial Tech Labs Intern</li>
      <li>WakeMed Guest Ambassador</li>
    </ul>

    <h3>Interests:</h3>

  </body>

</html>
```

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Academics:

[My major!](#)

Clubs/Extracurriculars:

- SILS Personnel Committee
- Ally Financial Tech Labs Intern
- WakeMed Guest Ambassador

Interests:





/CSS

/WHAT IS WEB DEVELOPMENT?

- Creating, building, and maintaining websites

HTML	CSS	JavaScript
Standard language for creating web pages	Setting the layout of your web page (colors, fonts, etc.)	Creating dynamic and interactive web pages

/CSS Intro

Cascading Style Sheets

- Describes how HTML elements are displayed
- Defines STYLES – design, layout, etc.
- Ex: fonts, size, alignment

/3 ways TO ADD CSS

Inline	Internal	External
Within a single element	Within <style> element, inside <head>	External style sheet

/css inline

```
<html>

  <body>

    <h1>This is a heading</h1>
    <p>This is a paragraph.</p>

  </body>

</html>
```

This is a heading

This is a paragraph.

/CSS inline cont.

```
<html>
  <body>
    <h1 style="color:blue;text-align:center;">This is a heading</h1>
    <p style="color:red;">This is a paragraph.</p>
  </body>
</html>
```

This is a heading

This is a paragraph.

/EDITOR

1. Starter Code: [CLICK HERE](#)
2. Online Editor: [CLICK HERE](#)
3. ****Copy lines 1-10 into editor****

/css internal

```
<html>

  <head>
    ←
  </head>

  <body>

    <h1>This is a heading</h1>
    <p>This is a paragraph.</p>

  </body>
</html>
```

This is a heading

This is a paragraph.

```
<html>
```

```
<head>
```

```
<style>
```

```
  body {  
    background-color: lightgrey;  
  }
```

```
  h1 {  
    color: blue;  
    text-align: center;  
  }
```

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

```
</style>
```

```
</head>
```

```
<body>
```

```
  <h1>This is a heading</h1>  
  <p>This is a paragraph.</p>
```

```
</body>
```

```
</html>
```

This is a heading

This is a paragraph.

```
<html>
```

```
<head>
```

```
<style>
```

```
  body {  
    background-color: lightgrey;  
  }
```

```
  h1 {  
    color: blue;  
    text-align: center;  
  }
```

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

```
</style>
```

```
</head>
```

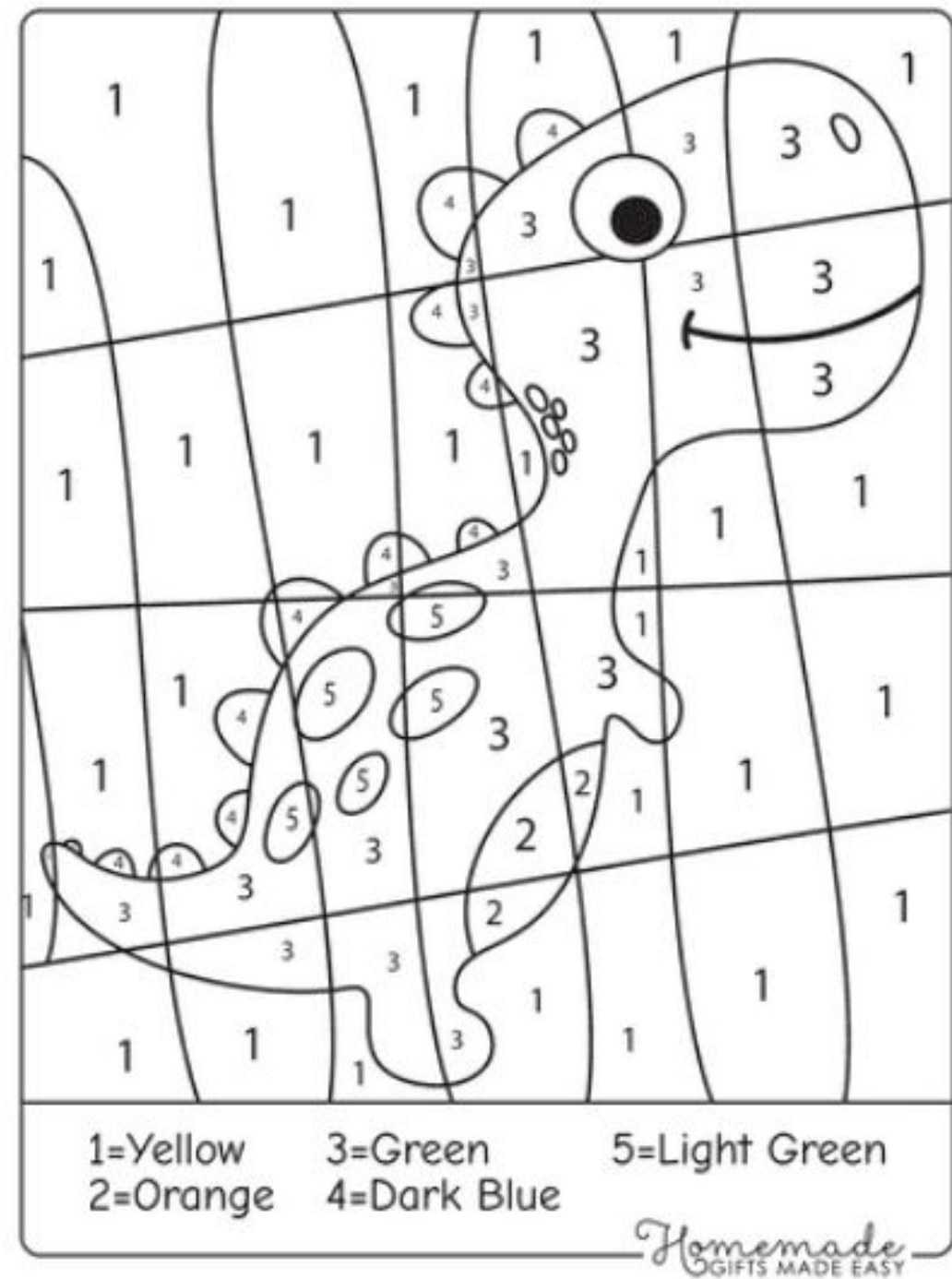
```
<body>
```

```
<h1>This is a heading</h1>
```

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

```
</body>
```

```
</html>
```



/EDITOR

1. Starter Code: [CLICK HERE](#)
2. Online Editor: [CLICK HERE](#)
3. ****Copy lines 1-32 into editor****

/CSS EXTERNAL

```
<html>
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
</body>
</html>
```

mystyle.css

```
body {
  background-color: lightgrey;
}

h1 {
  color: blue;
  text-align: center;
}

p {
  color: red;
}
```



BRINGING IT TOGETHER

/EDITOR

1. Starter Code: [CLICK HERE](#)
2. Online Editor: [CLICK HERE](#)
3. ****Copy lines 1-102 into editor****

Hafsah Tajammal

About Me:

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Academics:

[My major!](#)

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- Ally Financial Tech Labs Intern
- WakeMed Guest Ambassador

Interests:



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[My major!](#)

Clubs/Extracurriculars:

- SILS Personnel Committee
- Ally Financial Tech Labs Intern
- WakeMed Guest Ambassador

Interests:



/Resources


■ W3 Schools

- *HTML*
- *CSS*
- *Free Website Creation*

https://www.w3schools.com/html/html_intro.asp


https://www.w3schools.com/css/css_intro.asp


/Resources



Tutorials▼References▼Exercises▼Videos

UpgradeGet CertifiedCreate Website



HTMLCSSJAVASCRIPTSQLPYTHONJAVAPHPBOOTSTRAPHOW TOW3.CSSCC++C#REACTRJQUERYDJANGO

HTML Tutorial

HTML HOME

HTML Introduction

HTML Editors

HTML Basic

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Styles

HTML Formatting

HTML Quotations

HTML Comments

HTML Colors

HTML CSS

HTML Links

HTML Images

HTML Favicon

HTML Tables

HTML Lists

HTML Block & Inline

HTML Classes

HTML Id

HTML Iframes

HTML JavaScript

HTML File Paths

HTML Head

HTML Layout

HTML Introduction

[< Previous](#)[Next >](#)

HTML is the standard markup language for creating Web pages.

What is HTML?

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

A Simple HTML Document

Example

```
<!DOCTYPE html>
```

IMPROVE YOUR Learning Journey


✓ No More Ads

✓ Hosting Benefits


✓ More Spaces





✓ HTML Video

UPGRADE



COLOR PICKER





Get certified by completing a HTML course today!



/THANK you

Questions? Concerns?

Email: hafsahtajammal@gmail.com

LinkedIn: [Click Here](#)