

HTML attributes

Elements in HTML have **attributes**; these are additional values that configure the elements or adjust their behavior in various ways to meet the criteria the users want.

REFERENCE: <https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes>

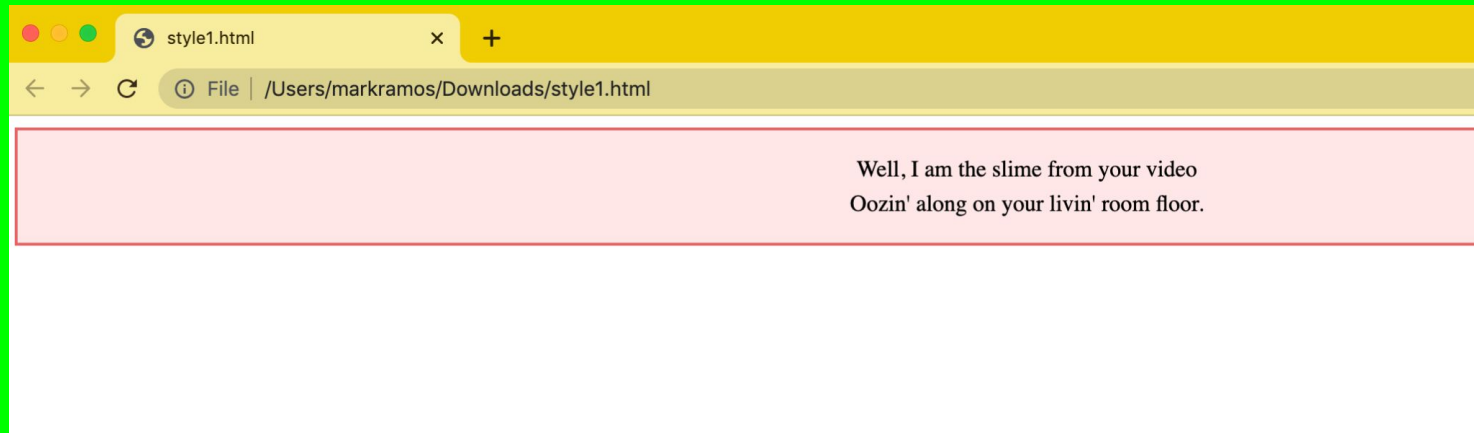
Attribute list

Attribute Name	Elements	Description
accept	<form> , <input>	List of types the server accepts, typically a file type.
accept-charset	<form>	List of supported charsets.
accesskey	Global attribute	Keyboard shortcut to activate or add focus to the element.
action	<form>	The URI of a program that processes the information submitted via the form.
align	<applet> , <caption> , <col> , <colgroup> , <hr> , <iframe> , , <table> , <tbody> , <td> , <tfoot> , <th> , <thead> , <tr>	Specifies the horizontal alignment of the element.
allow	<iframe>	Specifies a feature-policy for the iframe.

STYLE

The **style** global attribute contains CSS styling declarations to be applied to the element. *Note that it is recommended for styles to be defined in a separate file or files. This attribute and the `<style>` element have mainly the purpose of allowing for quick styling, for example for testing purposes.

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title></title>
5  </head>
6  <body>
7      <div style="background: #ffe7e8; border: 2px solid #e66465;">
8          <p style="margin: 15px; line-height: 1.5; text-align: center;">
9              Well, I am the slime from your video<br>
10             Oozin' along on your livin' room floor.</p>
11 </div>
12
13 </body>
14 </html>
```



DEFINITION and usage

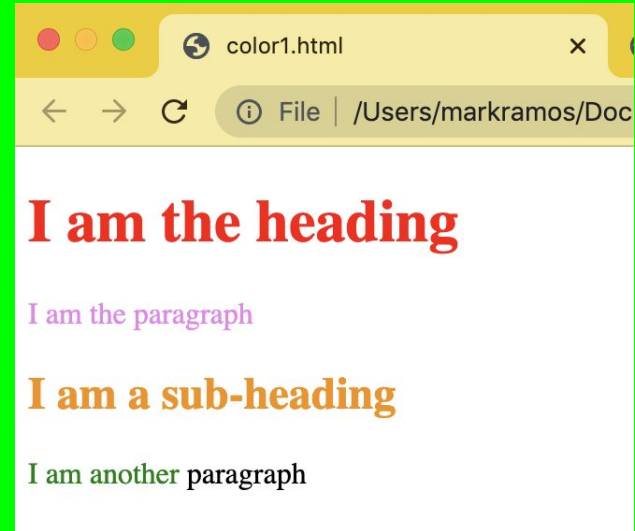
- The style attribute specifies an **inline** style for an element.
- The style attribute will override any style set globally, e.g. styles specified in the <style> tag or in an external style sheet.
- The style attribute can be used on **any** HTML element (it will validate on any HTML element. However, it is not necessarily useful).

SYNTAX:

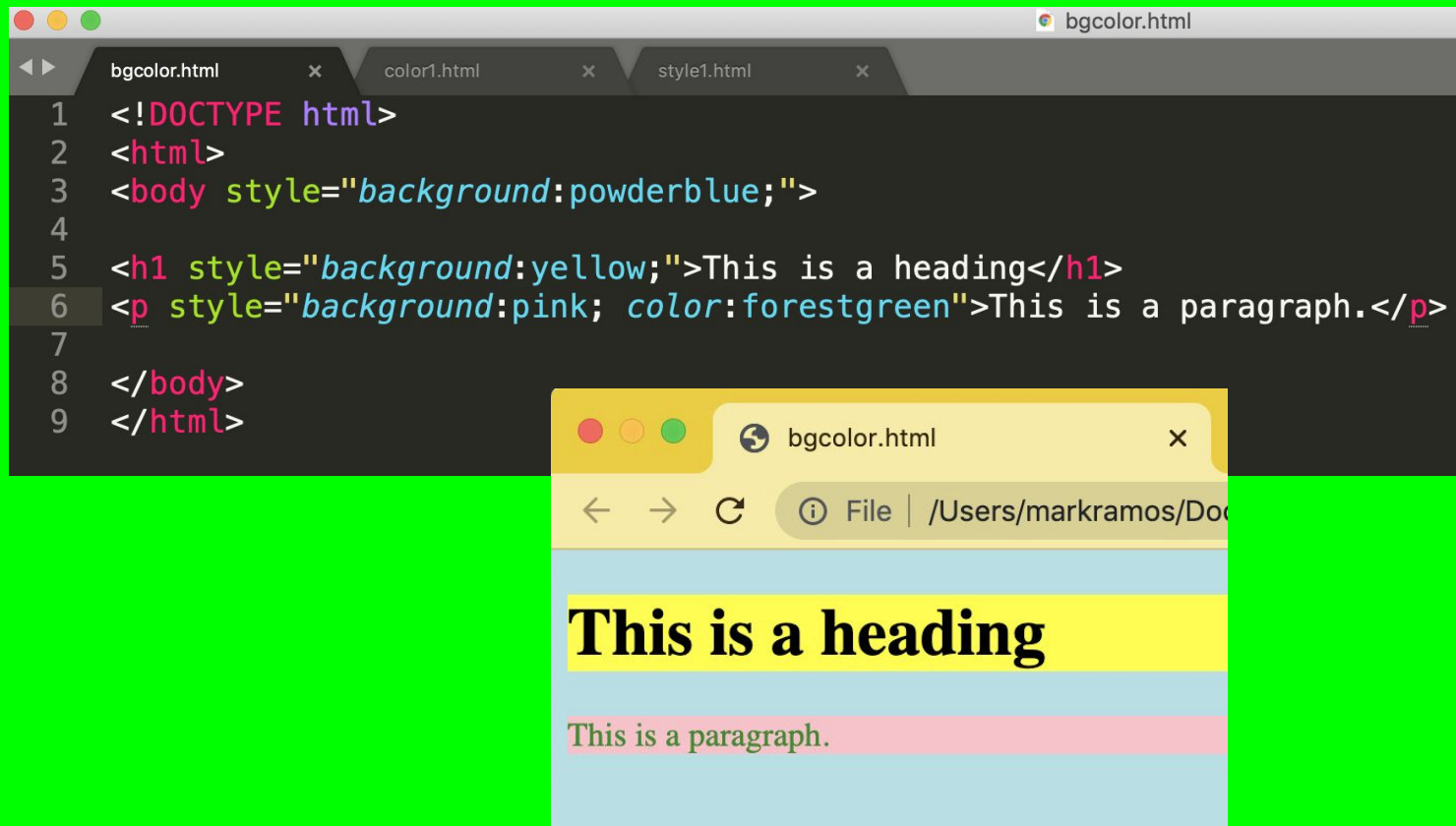
```
<element style="style_definitions">
```

COLOR - CHANGE THE TEXT COLOR

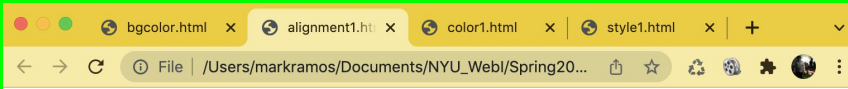
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title></title>
5 </head>
6 <body>
7
8   <h1 style="color:red;" >I am the heading</h1>
9   <p style="color:rgb(238, 130, 238);" >I am the paragraph</p>
10  <h2 style="color: #F59101">I am a sub-heading</h2>
11  <p><span style="color: green;">I am another</span> paragraph</p>
12
13 </body>
14 </html>
```



BACKGROUND COLOR - CHANGE THE BG COLOR



alignment



I am the heading

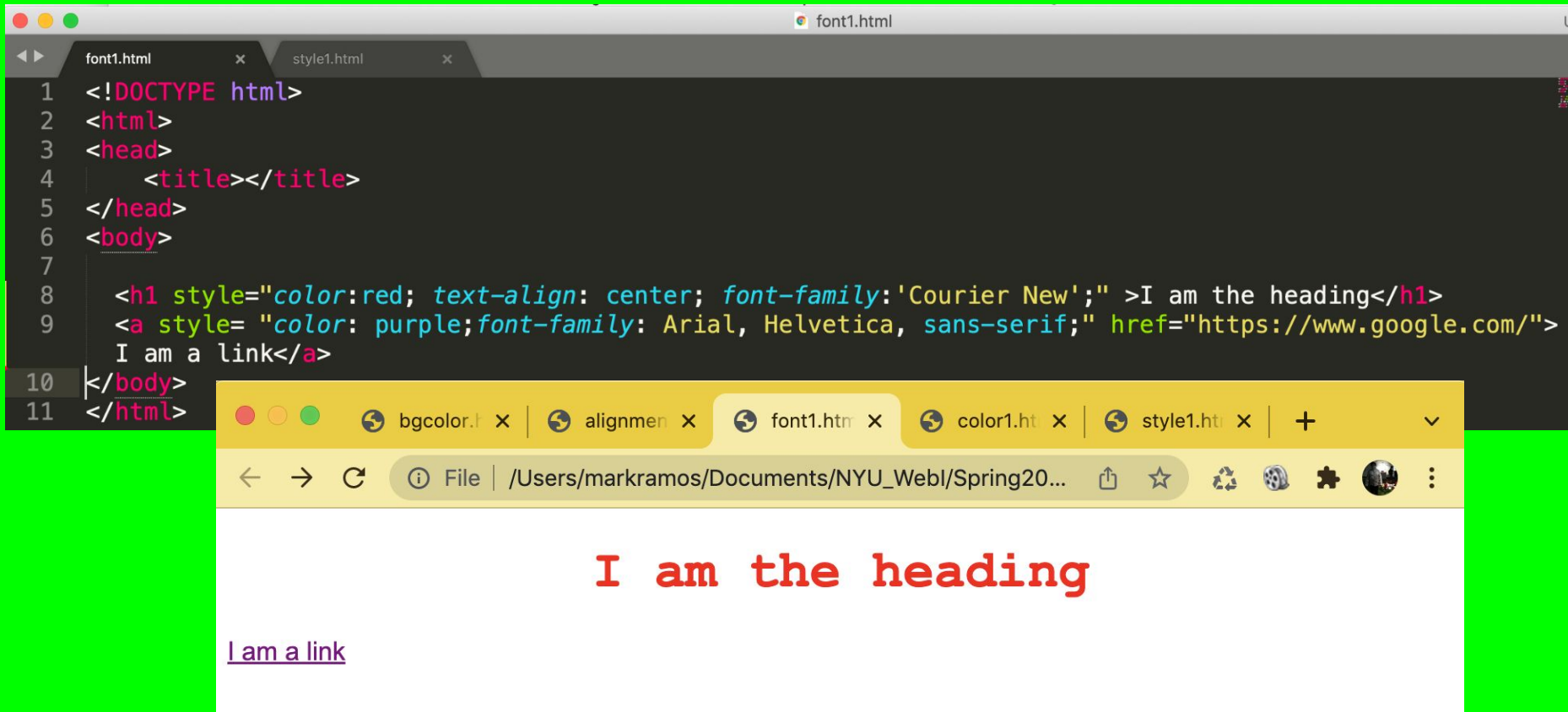
I am the paragraph

I am a sub-heading

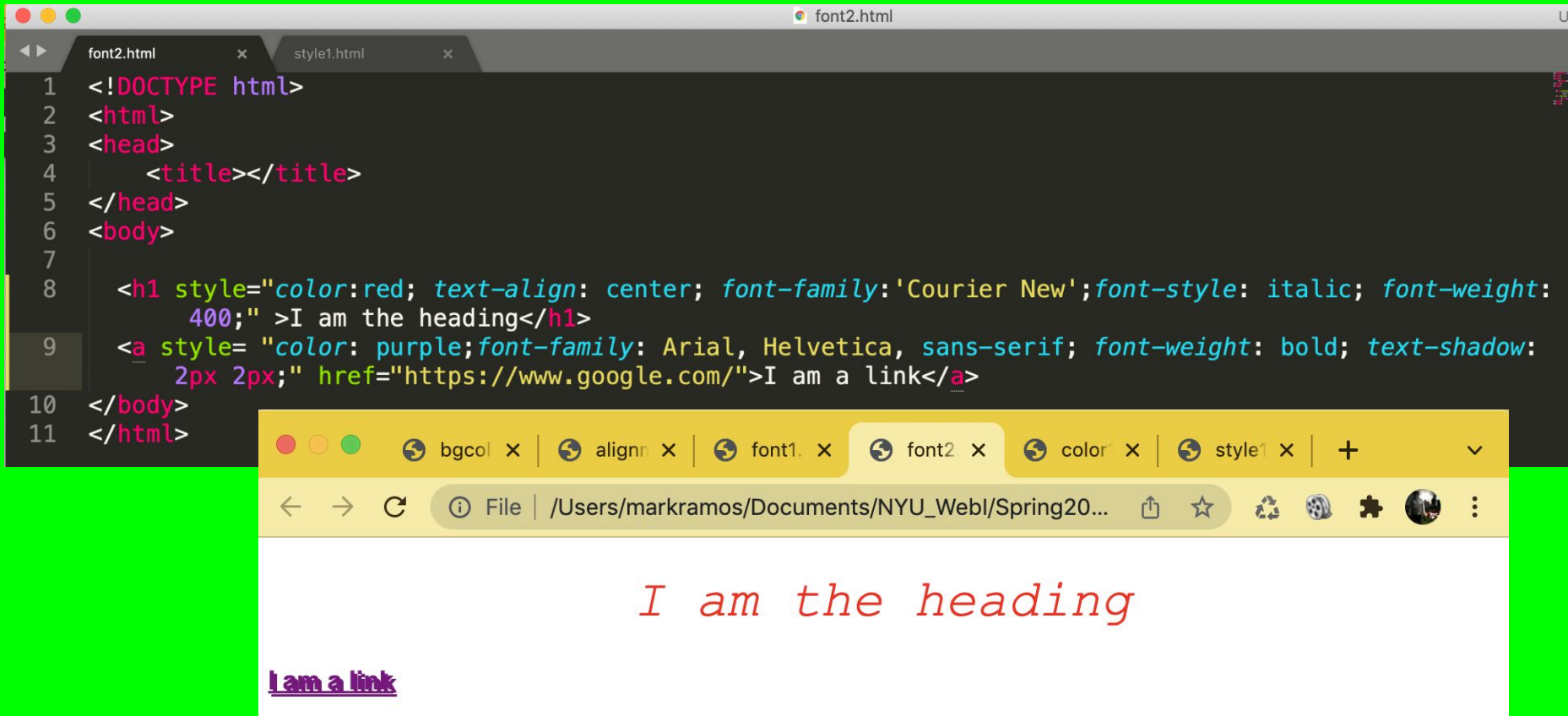


```
alignment1.html x style1.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title></title>
5 </head>
6 <body>
7
8   <h1 style="color:red; text-align: center;" >I am the heading</h1>
9   <p style="color:rgb(238, 130, 238); text-align: left;" >I am the paragraph</p>
10  <h2 style="color: #F59101; text-align: right;">I am a sub-heading</h2>
11  <p style="text-align:center;"></p>
12 </body>
13 </html>
```


FONT-FAMILY



FONT-STYLE, FONT-WEIGHT



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title></title>
5 </head>
6 <body>
7
8   <h1 style="color:red; text-align: center; font-family:'Courier New';font-style: italic; font-weight:
    400;" >I am the heading</h1>
9   <a style= "color: purple;font-family: Arial, Helvetica, sans-serif; font-weight: bold; text-shadow:
    2px 2px;" href="https://www.google.com/">I am a link</a>
10 </body>
11 </html>
```

I am the heading

I am a link

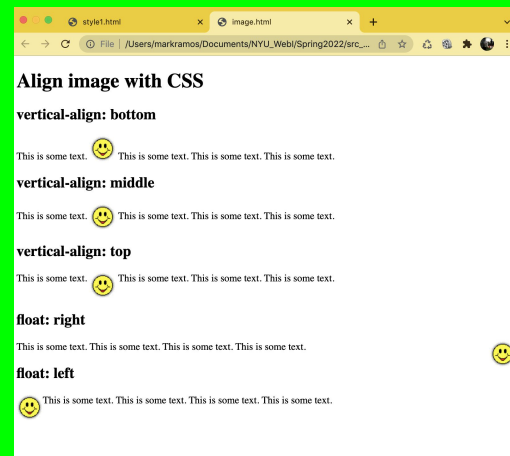
FONT-SIZE

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title></title>
5 </head>
6 <body>
7
8   <h1 style="color:red; text-align: center; font-family:'Courier New'; font-size:60px" >I am the
  heading</h1>
9   <a style= "color: purple;font-family: Arial, Helvetica, sans-serif; font-weight: bold; text-shadow:
    20px 20px; font-size:120px" href="https://www.google.com/">I am a link</a>
10 </body>
11 </html>
```



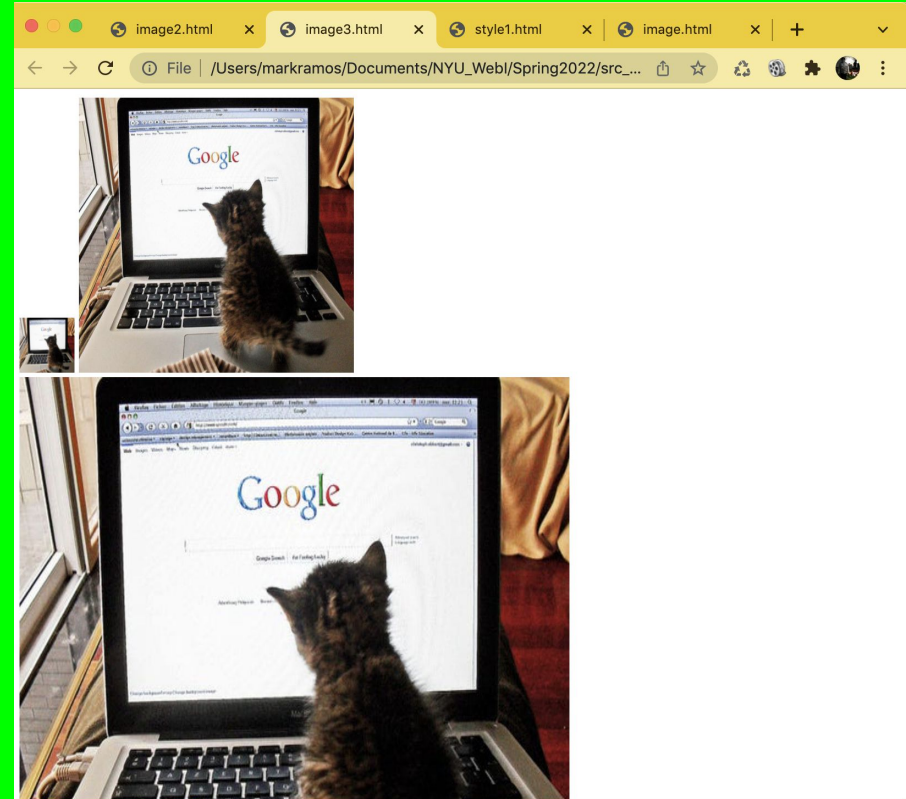
 attributes

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h1>Align image with CSS</h1>
6
7 <h2>vertical-align: bottom</h2>
8 <p>This is some text.  This is some text. This is some text. This is some text.</p>
9
10 <h2>vertical-align: middle</h2>
11 <p>This is some text.  This is some text. This is some text. This is some text.</p>
12
13 <h2>vertical-align: top</h2>
14 <p>This is some text.  This is some text. This is some text. This is some text.</p>
15
16 <h2>float: right</h2>
17 <p>This is some text. This is some text. This is some text. This is some text.</p>
18
19 <h2>float: left</h2>
20 <p>This is some text. This is some text. This is some text. This is some text.</p>
21
22 </body>
23 </html>
```



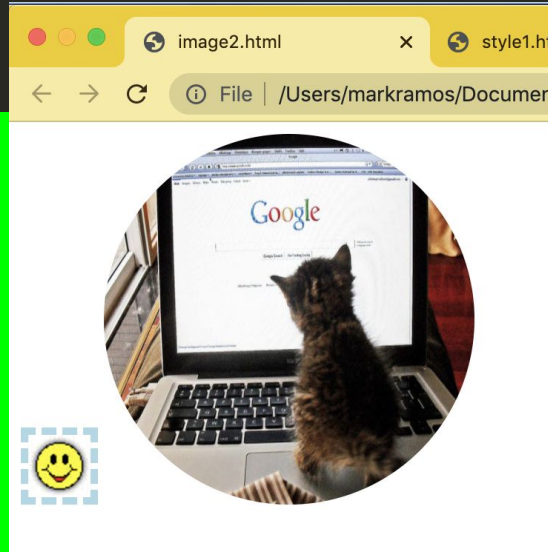
 WIDTH X HEIGHT

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 
6 
7 
8
9 </body>
10 </html>
```



Borders and radius

```
image2.html
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 
6 
7
8 </body>
9 </html>
```



 LINK

```
image4.html
style1.html x image4.html x
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <a href="https://placekitten.com/"></a>
6 <a href="https://www.google.com/search?q=cat+computer+gif&source=lnms&tbm=isch&sa=X&ved=2ahUKEwjHuKfko
un1AhWHOIEHTo-Cw4Q_AUoAXoECAEQAw&biw=1425&bih=743&dpr=2"></a>
7 <a href="https://en.wikipedia.org/wiki/I_Can_Has_Cheezburger%3F#:~:text=ICHC%20was%20created%20on%20Ja
nuary,the%20site%20derives%20its%20name."></a>
8
9 </body>
10 </html>
```


POSITIONING

A browser window showing a web page titled "image5.html" with a URL: `/Users/markramos/Documents/NYU_Web/Spring2022/src_code/attributes/image5.html`. The page displays a small kitten image on the left and a larger kitten image on the right, both looking at a laptop screen showing the Google homepage.


The kitten images are positioned using CSS. The HTML code for the page is shown in a code editor below the browser window:

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <a href="https://placekitten.com/"></a>
6 <a href="https://www.google.com/search?q=cat+computer+gif&source=lnms&tbm=isch&sa=X&ved=2ahUKEwjHuKfko
  un1AhWHoHIEHTo-Cw4Q_AUoAXoECAEQAw&biw=1425&bih=743&dpr=2"></a>
7 <a href="https://en.wikipedia.org/wiki/I_Can_Has_Cheezburger%3F#:~:text=IHC%20was%20created%20on%20Ja
  nuary,the%20site%20derives%20its%20name."></a>
8
9 </body>
10 </html>
```


<STYLE>: THE STYLE INFORMATION ELEMENT

The `<style>` [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/style) element contains style information for a document, or part of a document. It contains CSS, which is applied to the contents of the document containing the `<style>` element.

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/style>

 HTML Demo: `<style>`

Reset

HTML

CSS

```
1 <style>
2 p {
3   color: green;
4 }
5 </style>
6
7 <p>This text will be green. Inline styles take precedence
  over CSS included externally.</p>
8
9 <p style="color: blue">The <code>style</code> attribute
  can override it, though.</p>
10
```

Output

This text will be green. Inline styles take precedence over CSS included externally.

The `style` attribute can override it, though.