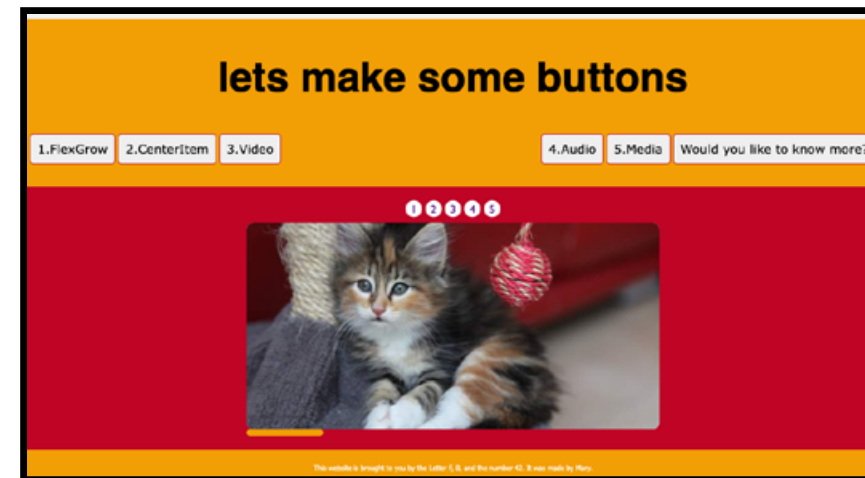# HTML / CSS Carousel

This is an optional carousel tutorial worksheet. You must have finished all your previous worksheets before you begin this one. You must download this pdf to access the links inside the document.

1

Open your interior page from the last work-
sheet you made in your weekly worksheet.
Mine is called buttons.html. Save a copy
using save as, and name it something else.
I named mine slider.html. It will have the
same css stylesheet hooked up to it, so open
that too in VSC. Then Make sure you **commit
and push** this change in GitHub

Then along with opening slider.html in a local
browser, I want to navigate to https://css-tricks.
com/css-only-carousel/ because that is the
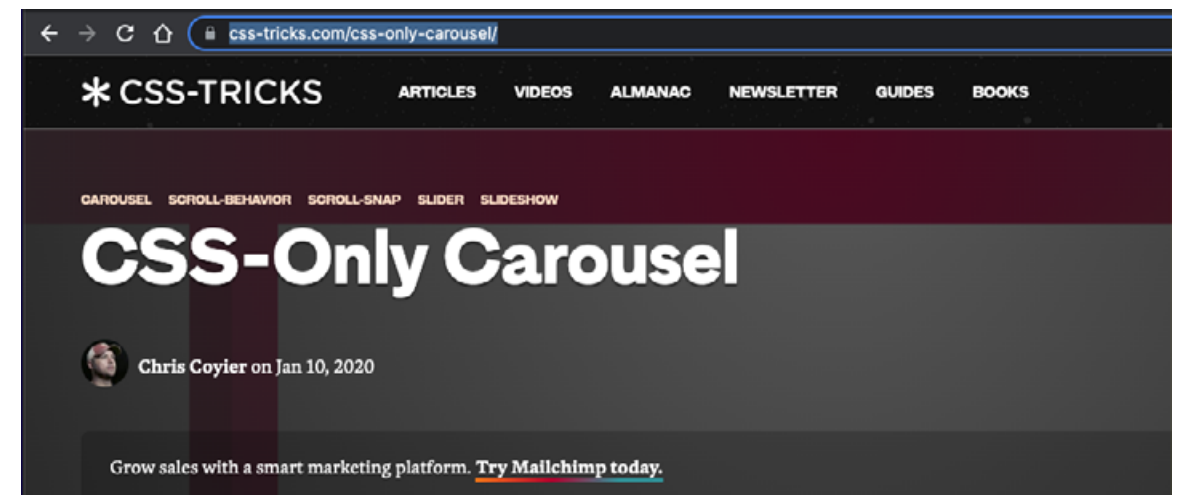code snippet we will be using for this tutorial.

A few things to think about:
When I look for code to grab I look for a few things,
one of them being when the article was written / up-
dated. This one was written in January of 2020.
If I find anything older than maybe 2017, I keep looking.
Things change so fast, antiquated codewill make your
life more difficult.
.
I look for things that use codepen so I
can see what is going on before I take it. Sometimes
the tutorials don't make any sense, or they leave things
out. Codepen helps me understand the code better.

2

At the very bottom of your stylesheet make a comment that says `/* slider */` Below this is where we are going to place our code, but first we will grab the html and replace our large horizontal image for this slider.
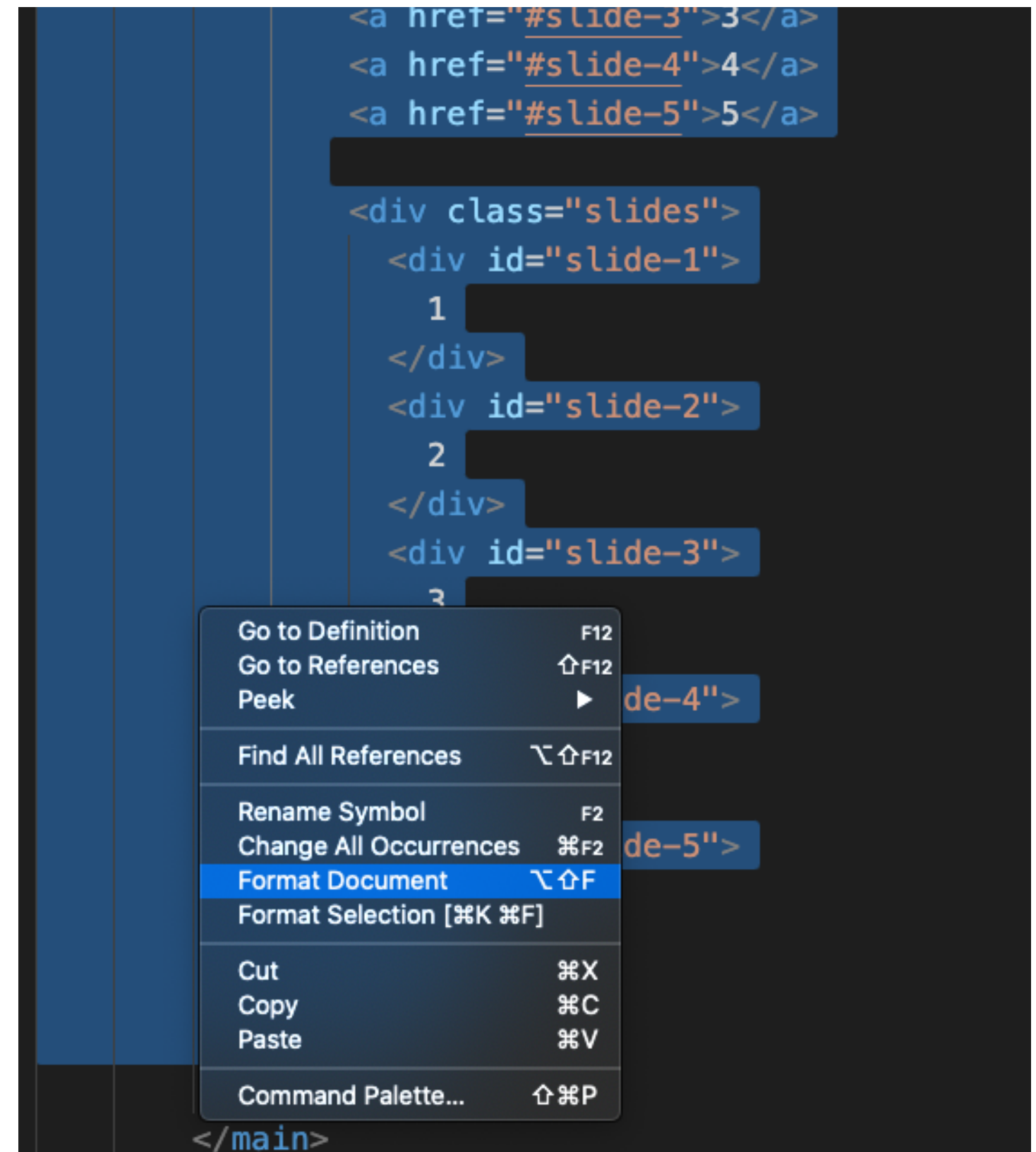

What we have here is all the html we need, so grab that from the website, all of it, and **copy and paste it right inside where the horizontal placeholder image is.**
Save, *commit, push.*

Before we go any further, when we cut and paste from the internet, sometimes the code gets messed up, and therefore messy.

```
<main>

    <div class =" button-one-section">
        <div class="slider">

            <a href="#slide-1">1</a>
            <a href="#slide-2">2</a>
            <a href="#slide-3">3</a>
            <a href="#slide-4">4</a>
            <a href="#slide-5">5</a>

            <div class="slides">
                <div id="slide-1">
                    1
                </div>
                <div id="slide-2">
                    2
                </div>
                <div id="slide-3">
                    3
                </div>
                <div id="slide-4">
                    4
                </div>
                <div id="slide-5">
                    5
                </div>
            </div>
        </div>
    </div>
</main>
```

select the entire html page by either dragging top to bottom or using "command and a" together. Then hold down the command button and click. (This might be different on the PC). A menu will come up and find Format Document. There is also a quick key for that too. It will tidy up your html page and align all your <div> tags. It will also give you a better idea if you are missing closing tags. etc.
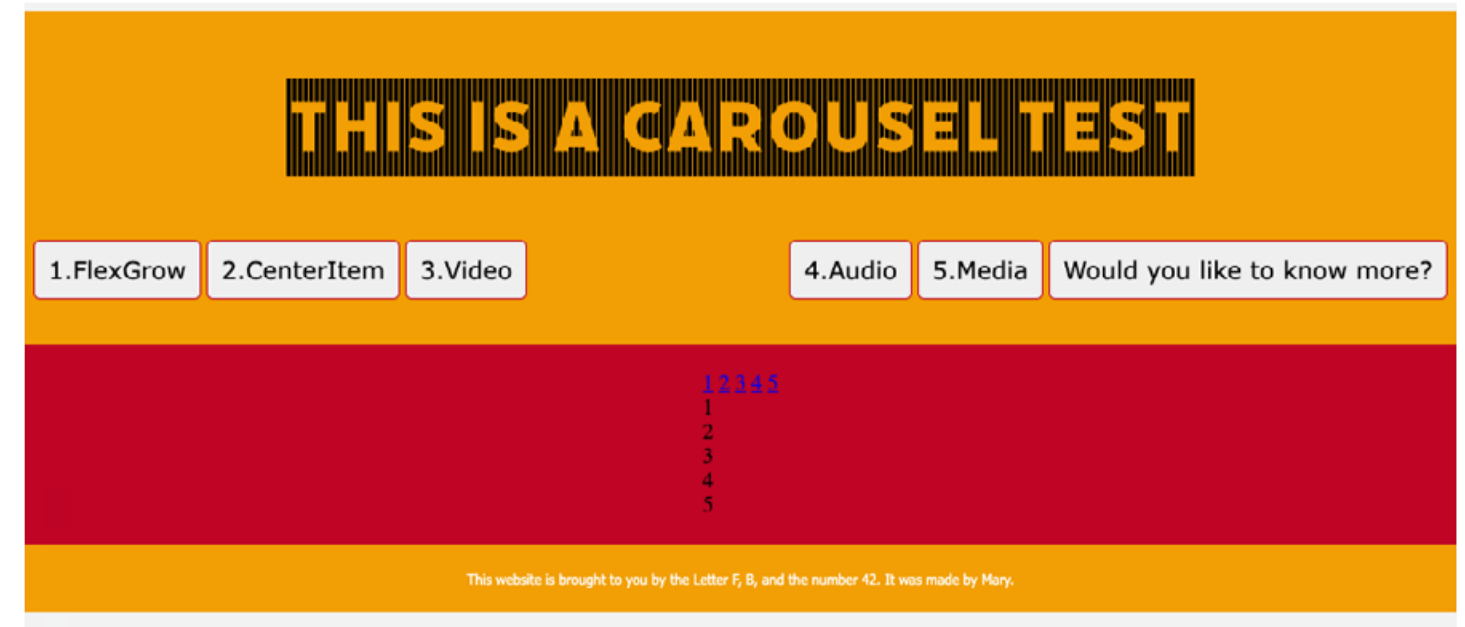
3

(For ease of understanding I changed my `<h1>` to a different title so I know which page I am on.)What we see is... not much. But this is where we should be. Everything is still in our original flexxed section from before, so it is naturally landing in the center. In the html we have 5 anchor links to five places where we can have images. Right now they are numbered with no box present.
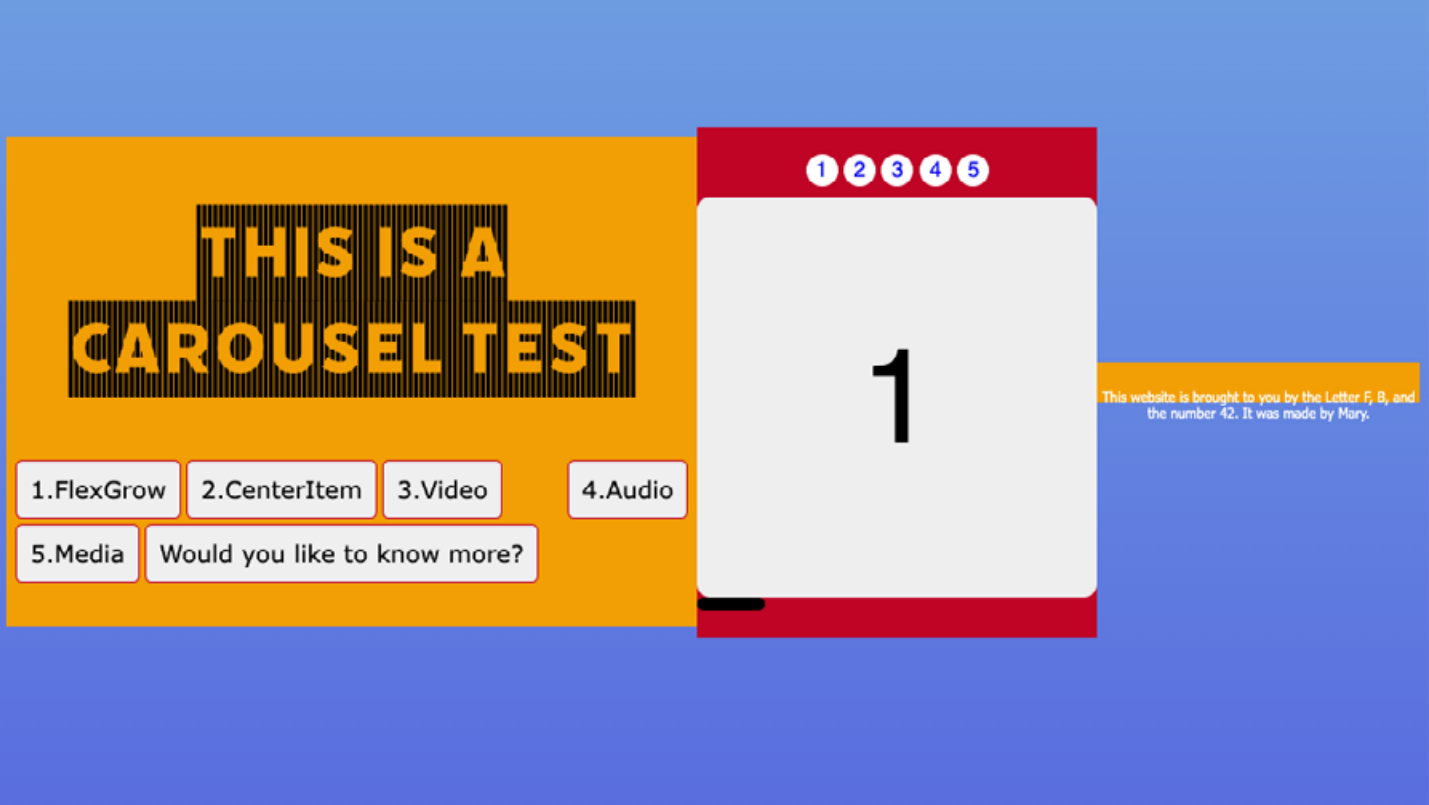
It's time to grab the css. The first thing many people do is just grab the whole lot and copy and paste it in the bottom of their stylesheet. Let's try that first and see what happens.
Go back to the codepen and click the css button and select all the css and paste it below your last style in your stylesheet.
Then **Save.**

What the hell is this? Dear reader, this is what happens to everyone (including me) when they copy and paste code into their html from a website. Putting on our Sherlock Homes hat we can see a few things within our CSS to make us understand better about what is going on.

4

First off: something has flexboxed our entire page and that's why everything is next to eachother like this.
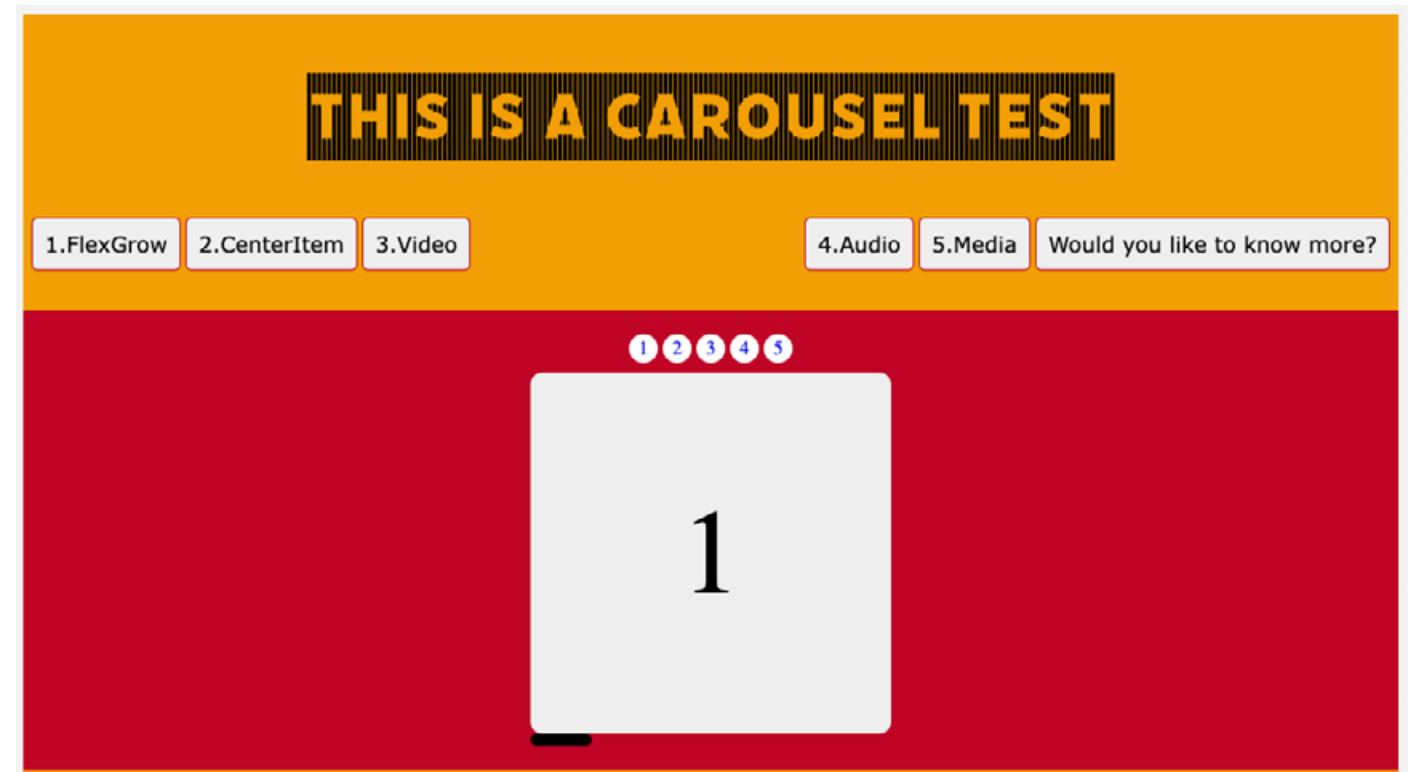**Second:** there is a blue background we don't want in there

When we look at the CSS we can then see the following:

In the first image, we see there is a style down at the bottom for `html, body` and `body`. Inside that body is `display: flex;` and our blue gradient we don't want. Because it is at the bottom of the style sheet, it is overriding our body style we had before! I can tell you right now, we don't want either of these styles. But instead of deleting them all at once, **WE WILL DO IT ONE FIRST, SAVE THEN REFRESH AND SEE WHAT HAPPENS. THIS IS HOW WE MOVE FORWARD FROM NOW ON.**

Delete the `html, body` style then **Save** and refresh, then delete the the `body` style. Save and refresh your local browser.Ok, now

we are getting somewhere. *Commit, push.*

```css
html, body {
  height: 100%;
  overflow: hidden;
}

body {
  display: flex;
  align-items: center;
  justify-content: center;
  background: linear-gradient(to bottom, #74ABE2,
  #5563DE);
  font-family: 'Ropa Sans', sans-serif;
}
```

THIS IS A CAROUSEL TEST

| 1.FlexGrow | 2.CenterItem | 3.Video | | 4.Audio | 5.Media | Would you like to know more? |

① ② ③ ④ ⑤

1

✸

5

If you click on the numbered buttons on our page, the carousel works! So let's add some images. I'm going to add some placeholder images right now. You can copy from below if you like: **(warning my quote / inch marks aren't translating, which might cause troubles in your code)**

```
<img src="http://placekitten.com/600/300"
alt= "a kitten image">


<img src="http://www.fillmurray.
com/600/300" alt="an image of
Bill Murray">


<img src="http://placebear.com/600/300"
alt="an image of a large bear">


<img src="http://placedog.net/600/300"
alt="an image of a doggo">


<img src="https://www.placecage.
com/600/300" alt="an image of Nick Cage">
```

So, now where do I put this image? Where does it go?

It doesn't feel like it goes anywhere, but it goes where the numbers are inside of `div class ="slides"`

Now we have images, but they aren't the right size. We've got to have a look in our css to figure that out, and also continue to wear our Sherlock Holmes caps.

```html
<div class="slides">
    <div id="slide-1">
        <img src="http://placekitten.com/600/300"
        alt= "a kitten image">
    </div>
    <div id="slide-2">
        <img src="http://www.fillmurray.com/600/
        300" alt="an image of Bill Murray">
    </div>
    <div id="slide-3">
        <img src="http://placebear.com/600/300"
        alt="an image of a large bear">
    </div>
    <div id="slide-4">
        <img src="http://placedog.net/600/300"
        alt= "an image of a doggo">
    </div>
    <div id="slide-5">
        <img src="https://www.placecage.com/600/
        300" alt="an image of Nick Cage">
    </div>
</div>
        </div>
    </div>
</main>
```

6

So we are in a slider div and our images are 600/300 but they are showing up as squares. Let's have a look.....

First I find .slides > div {
I put a 3px purple border on it, and then I can see it in my browser, but when I do the width 600 height 300 nothing happens. Let's keep going

```css
.slides > div {
  border: 3px solid purple;
  scroll-snap-align: start;
  flex-shrink: 0;
  width: 600px;
  height: 300px;
  margin-right: 50px;
  border-radius: 10px;
  background: #eee;
  transform-origin: center center;
  transform: scale(1);
  transition: transform 0.5s;
  position: relative;

  display: flex;
  justify-content: center;
  align-items: center;
  font-size: 100px;
}
```

Oh ho ho! What do we have here! an `img` style inside all the stuff we grabbed from that website.
Wait a minute... we have a LOT of img tags in our html. Let's just go and have a peak at our first index.html we created that also shares this style sheet and see what's going on in there.....

OMG what the crap. Something is definitely wrong and I feel like I'm going to freak out. (Says anyone who is trying to do this kind of thing for the first time or 20th time, so don't worry).

I have a hunch it has something to do with that img style that is messing with all of our images. Let's try commenting it out and seeing what happens.

```css
img {
  object-fit: cover;
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
}
```

```css
/* img {
  object-fit: cover;
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
} */
```
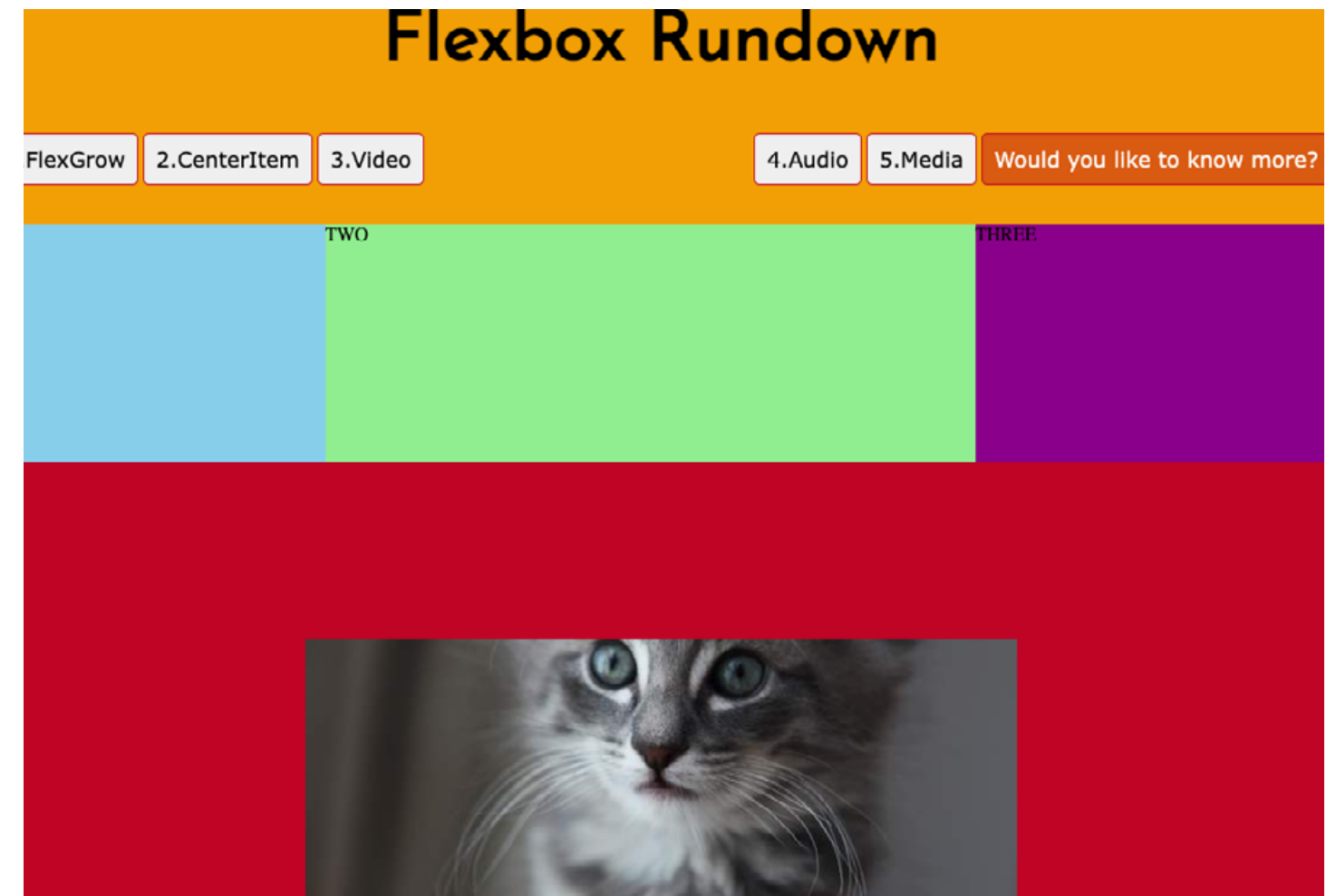
PHEW! Now you can delete that img style from your stylesheet. **Save**, *commit, push*.

Much better. Both pages are working ok, but we are still having trouble with our slider images. We can't style the img itself because we have so many different img tags everywhere.

We have to put each image in its own container class. Then we can style it specifically to what we want. We will add: `image class="slide-image"` replacing where the `img` is in our five carousel images. I'll show you the first one, then you have to do the rest, I have to make dinner soon.

Save, *commit, push*

9

But first thing before we move forward, is as I was looking up and down the code, I came across a `slider` class. I was confused as to why my slider window wasn't expanding and now I think I know why: 300px. I missed it a few passes. Now I'm going to make that **600px**. **Save** and refresh.

YAY! Now I want to round the corners of my image and be done.

Slow and steady wins the race. This is a bit back and forth, but showing the steps of investigation is key to understanding how to put code snippets in your website. Now you can save and prepare, and then move all your tested code in this sheet into your interior page and keep going.
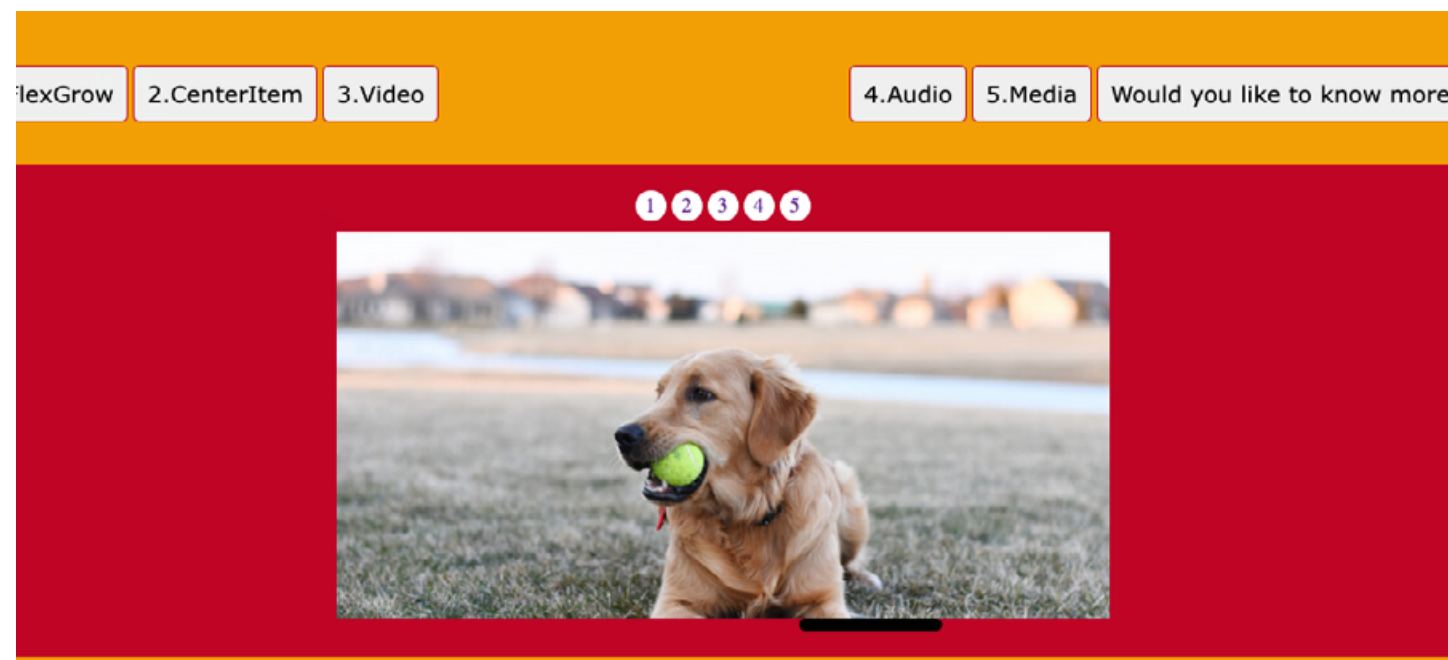
Two questions: that slider bar is black and is distracting. Can you figure out how to change the color? Also can you change the typeface of the numbers of the slide buttons above the images?

Bye!

```css
/* slider */

* {
  box-sizing: border-box;
}


.slider {

  width: 300px;
  text-align: center;
  overflow: hidden;

}
```



```css
.slide-image {
    border-radius: 10px;
}
```