Core Lab Interaction

Homework 5

Generative Rectangles

Using a while loop, create divs with random **positions**, **dimensions** and **color**.

Use our in-class exercise as reference

Let's make this easy on ourselves, all units will be in "px", everything will be absolute positioned.

You should only need one line of <style> CSS.

```css
div{
    position: absolute;
}
```

Just as we set **d.style.backgroundColor**, you can set other style properties the same way, like **d.style.width.**

Remember that a div's style width or height aren't just numbers. If you were writing CSS you would write **width: 100px**, not **width: 100**.

> *d.style.width doesn't get assigned a number, it's assigned a string.*

It's okay to copy code from our in-class work. But I cannot stress how helpful it is to **retype** things instead of copy and paste. This little gesture pays back so much, I promise.

Extra credit

Build an HSL random color instead of an RGB random color. The HSL string is very similar, difference being additional % marks, and the multiplier is different, the range of the numbers are no longer between 0 and 256.

With HSL it's much easier to generate aesthetically pleasing color palettes. Try playing with the multiplier - make it a number smaller than what it should be and see what happens.

> *good HSL reference: https://www.w3schools.com/colors/colors_hsl.asp*