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Project 3: Brief Report

This was my first time working with JavaScript, and It seems oddly familiar to C++. It was not that difficult because the syntax was almost identical if statements transfer the same as if it were still C++. The variables were odd because in C++ you have to declare what type it is, but in JavaScript you can just write the word var and it will assume what its type is based on the data it stores. There are some neat built-in functions inside of JavaScript that I have not seen in C++. For example, the function called undefined, and NaN (not a number) were really nice when validating a form.

I struggled connecting the elements in the html form to the JavaScript. I created a separate JavaScript file, which seems like the best practice (especially when the code is large). I did the usual gradient, I set a height to it inside the CSS, and started a form. The form was spaced out using the div class in CSS, I added a padding of some height and they were now separated. I finished making the forms with their respective colors and I added button saying calculate in between the input and output.

I accidentally did more than I had to, and I made the calculations work no matter what. I thought back to my data structures and algorithms class and started thinking about all the different possibilities. I created a counter to count how many elements were typed into the forms,

and then it would perform the calculation based on how many elements were input, when nothing has been input, the forms would tell you that nothing has been input.