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Week 2 | Research

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The three different loops we studied on Week 2, were the *for loop*, the *while loop*, and the *do...while loop*. I found the most entertaining loop to play around with to be the *for loop*. The syntax for this loop is:

```
for ([initialExpression]; [conditionExpression]; [incrementExpression]) {  
  Statement  
}
```

While the *for loop* can start off with a simple expression, the reason I enjoyed working with it so much is due to the variety you can create with any number of *if*, *else*, or *else/if* conditions applied to the data.

One of the activities we did during class was a *Fizz Buzz problem* where we started with a simple statement; *for (let i=0; i<=30; i++)*, but we were able to apply conditions to come up with a list of silly words and numbers. Seeing results like this made me eager to try equations of my own in practice. I was able to come up with some ridiculous lists by assigning conditions to numbers and values. It was the first time I was able to play around like this, since I am brand new to this whole experience of coding. It was something that always seemed so far off and foreign to me so to be able to write something that executed how I planned it gave me so much satisfaction and motivation to keep learning and practicing.

[Source](#) for syntax